Service Manual

Colour Television

TX-25MD1E TX-21MD1E EURO-2 Chassis

Specifications

(Information in brackets {} refer to TX-21MD1E)

Power Source: 220-240V AC 50Hz

Power Consumption: 92W { 75W }

Aerial Impedance : 75Ω unbalanced, Coaxial Type

Receiving System: PAL-B/G, PAL-60

SECAM-B/G

 Receiving Channels:
 VHF E2 - E12

 VHF H1 - H2 (ITALY)
 VHF A - H (ITALY)

 VHF R1 - R2
 VHF R3 - R5

 VHF R6 - R12
 UHF E21 - E69

CATV (S01 - S05) CATV S1 - S10 (M1 - M10) CATV S11 - S20 (U1 - U10) CATV S21 - S41 (HYPERBAND)

Intermediate Frequency:

Video 38.9MHz

Sound 33.4MHz,33.16MHz 32.4MHz,33.05MHz Colour 34.47MHz (PAL)

34.657MHz,34.5MHz (SECAM)

Video / Audio Terminals :

AUDIO MONITOR OUT Audio (RCA x 2) 500mV rms,1 k Ω

AV1 IN Video (21 pin) 1 Vp-p 75 Ω

Audio (21 pin) 500mV rms,10k Ω

RGB (21 pin)

AV1 OUT Video (21 pin) 1 Vp-p 75 Ω

Audio (21 pin) 500mV rms, $1 \, k\Omega$

AV2 IN Video (21 pin) 1 Vp-p 75Ω

 $\begin{array}{lll} \text{Audio (21 pin) 500mV rms,10 k} \Omega \\ \text{S-Video IN} & \text{Y : 1 Vp-p 75} \Omega \\ \text{(21 pin)} & \text{C : 0.3 Vp-p 75} \Omega \end{array}$

AV2 OUT Video (21 pin) 1 Vp-p 75Ω

Audio (21 pin) 500mV rms, $1k\Omega$

AV3 IN Audio (RCA x 2)

500mV rms,10k Ω Video (RCA x 1) 1 Vp-p 75 Ω

High Voltage: $28kV \pm 1kV \{27kV \pm 1kV\}$ at zero

beam current

Picture Tube: 63 cmV{55 cmV}

measured diagonally.

Audio Output :

Internal Speaker 2 x 15 W (Music Power)

 8Ω Impedance

Headphones 1 x 8 Ω Impedance

Accessories supplied: Remote Control

UM3 Battery

Dimensions: Height: 531 mm {480 mm}

Width: 601 mm {525mm} Depth: 440mm {480mm}

Net Weight 25kg {20.2kg}

Specifications are subject to change without notice. Weight and dimensions shown are approximate.

Panasonic

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Safety Precautions

General Guide Lines

- It is advisable to insert an isolation transformer in the AC supply before servicing a hot chassis.
- When servicing, observe the original lead dress in the high voltage circuits. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
- After servicing, see that all the protective devices such as insulation barriers, insulation papers, shields and isolation R-C combinations are correctly installed.
- 4. When the receiver is not being used for a long period of time, unplug the power cord from the AC outlet.
- 5. Potentials as high as 29 kV are present when this receiver is in operation. Operation of the receiver without the rear cover involves the danger of a shock hazard from the receiver power supply. Servicing should not be attempted by anyone who is not familiar with the precautions necessary when working on high voltage equipment. Always discharge the anode of the picture to the chassis before handling the tube.
- 6. After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazards.

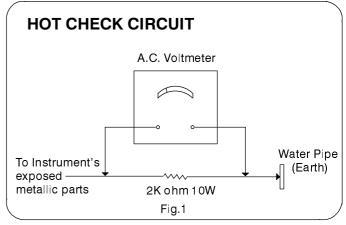
Leakage Current Cold Check

- Unplug the AC cord and connect a jumper between the two prongs of the plug.
- 2. Turn on the receiver's power switch.
- 3. Measure the resistance value with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the receiver, such as screw heads, aerials, connectors, control shafts etc. When the exposed metallic part has a return path to the chassis the reading should be between 4M ohm and 20M ohm. When the exposed metal does not have a return path to the chassis the reading must be infinite.

Leakage Current Hot Check

- 1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
- 2. Connect a 2k ohm 10W resistor in series with an exposed metallic part on the receiver and an earth such as a water pipe.
- 3. Use an AC voltmeter with high impedance to measure the potential across the resistor.

- 4. Check each exposed Metallic part and check the voltage at each point.
- 5. Reverse the AC plug at the outlet and repeat each of the above measurements.
- 6. The potential at any point should not exceed 1.4 Vrms. In case a measurement is outside the limits specified, there is a possibility of a shock hazard, and the receiver should be repaired and rechecked before it is returned to the customer.



X-Radiation Warning

- The potential sources of X-Radiation in TV sets are the high voltage section and the picture tube.
- When using a picture tube test jig for service ensure that the jig is capable of handling 29kV without causing X-Radiation.

NOTE: It is important to use an accurate periodically calibrated high voltage meter

- 1. Set the brightness to minimum.
- Measure the high voltage. The meter should indicate 28kV ±1kV {27kV ±1kV}at zero beam current if the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.
- 3. To prevent an X-Radiation possibility, it is essential to use the specified tube.

Service Hints

How to remove the rear cover

1. Remove the 5 fixing screws (A) as shown in Fig.2

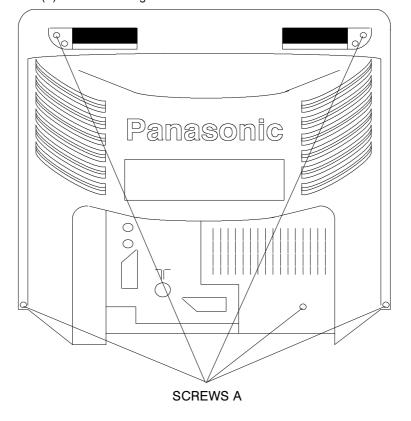


Fig.2.

Location Of Controls

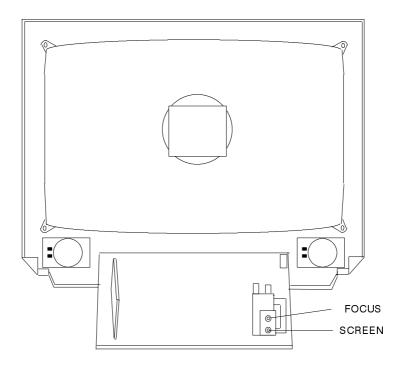
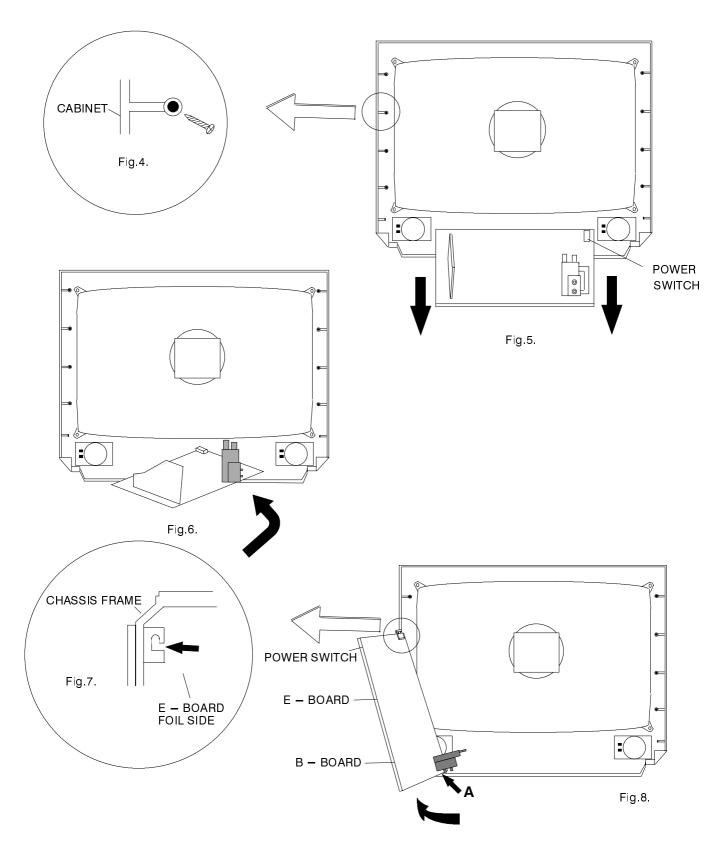


Fig.3.

How to move the chassis into the Service position

- 1. Insert 1 of the backcover screws into the rib on the left hand side of the cabinet as shown in Fig.4.
- 2. Hold and lift the rear of the E- PCB chassis and gently pull the chassis toward you as shown in fig.5.
- 3. Release the respective wiring clips and rotate the chassis horizontally through 90°, anti-clockwise, shown in Fig.6, then elevate the front of the chassis as shown in fig.8.
- 4. Clip the chassis frame onto the screw in the rib of the cabinet, shown in Fig.7/8.
- 5. Locate the base of the chassis frame into the recess marked A, shown in Fig.8.
- 6. After servicing remove the screw and ensure all wiring is returned to its original position before returning the receiver to the customer.



Service Mode

The remote control is used for entering and storing adjustments, with the exception of cut—off adjustments which must always be done prior to service adjustment. Perform adjustments in accordance with screen display. The display on the screen also specifies the CCU variants as well as the approx. setting values. The adjustment sequence for the service mode is indicated below.

- Set the Bass to maximum position, set the Treble to minimum position, press the F button followed by the Volume down on the customer controls at the front of the TV and at the same time press the Reveal button on the remote control, this will place the TV into the Service Mode.
- 2. Press the RED / GREEN buttons to step down / up through the functions.
- Press the YELLOW / BLUE buttons to alter the function values.
- 4. Press the STORE button on the preset panel after each adjustment has been made to store the required values.
- 5. To exit the Service Mode press the Normalisation button.

NOTE: This TV also has the option of using a Memory Pack which enables you to copy the preset TV channels and analogue levels into the Memory Pack and then upload them onto another EURO –2 TV set.

Using the Memory Pack

TV to Memory Pack process

- 1. Plug the memory pack into the lower of the two 21 pin terminals at the back of the TV and switch the TV on. If the TV has only one 21 pin connector then this will be able to accept the memory pack.
- 2. Go into the Service Mode as explained above. The screen will show: —

Program External>>TV

3. Press the blue button on the remote control. The screen will show:—

Program TV>>External

4. Press the STORE button on the TV. The screen will show:-

Storing

5. All the tuning information stored inside the TV will now be transferred to the Memory Pack. This process will take 2–3 minutes to complete and when finished the screen will show:—

OK!

Memory Pack to TV Process

- Plug the memory pack into the lower of the two 21 pin terminals at the back of the TV and switch the TV on. If the TV has only one 21 pin connector then this will be able to accept the memory pack.
- 2. Go into the Service Mode as explained above. The screen will show:—

Program External>>TV

3. Press the STORE button on the TV. The screen will show: –

Loading

4. All the tuning information stored inside the Memory Pack will now be transferred to the TV. This process will take 2-3 minutes to complete and when finished the screen will show:—

OK!

- The tuning information from the Memory Pack has now been copied into the TV
- 6. To exit from the Service Mode switch off the TV.
- 7. The process has now been completed and the Memory Pack can now be removed.

Errors

If an error occurs while using the Memory Pack the TV will detect this and the screen will show: -

Program Error!

If this happens then switch off the TV and repeat the process that was being used. If the errors continue to occur then check the connectors between the TV and the memory pack and check the 9V battery inside the memory pack.

SELF CHECK

Self check is used to automatically check the Bus lines and Hexadecimal code of the TV set.

To enter the Self Check mode press Function down button, on the Preset Panel, at the same time pressing the Status button, on the Remote Control, and the screen will show:—

						Dalley IC			
1 -	—	ok	Tuner	11		Dolby IC for C/R	21 —	ok	P SBLED
2 —	_	ok	VIF	12	— ok	PSMODE	22 —	ok	P OFF
з —	_	ok	EEPROM	13	— ok	P. TAO	23 —	ok	P DEFL
4 —	_		Sound AV switch1	14	<u>—</u> ок	P. TA1	24 —	ok	P RAM
5 —	_	ok	Video AV switch1	15	— ok	P TA2			
6 —	_	ok	VDP	16	<u> —</u> ок	P. TA3	5A		
7 —	_	ok	TPU	17	— ok	P SDA	22		
8 -		ok	MSP	18	— ok	P SCL1	20	He	x codes
9 —			Dolby Sub	19	— ok	P SCL 3	94		
10 —	_		Dolby IC for L/R	20	— ok	P SCL4	85		

If the CCU ports have been checked and found to be incorrect then "--" will appear in place of "OK".

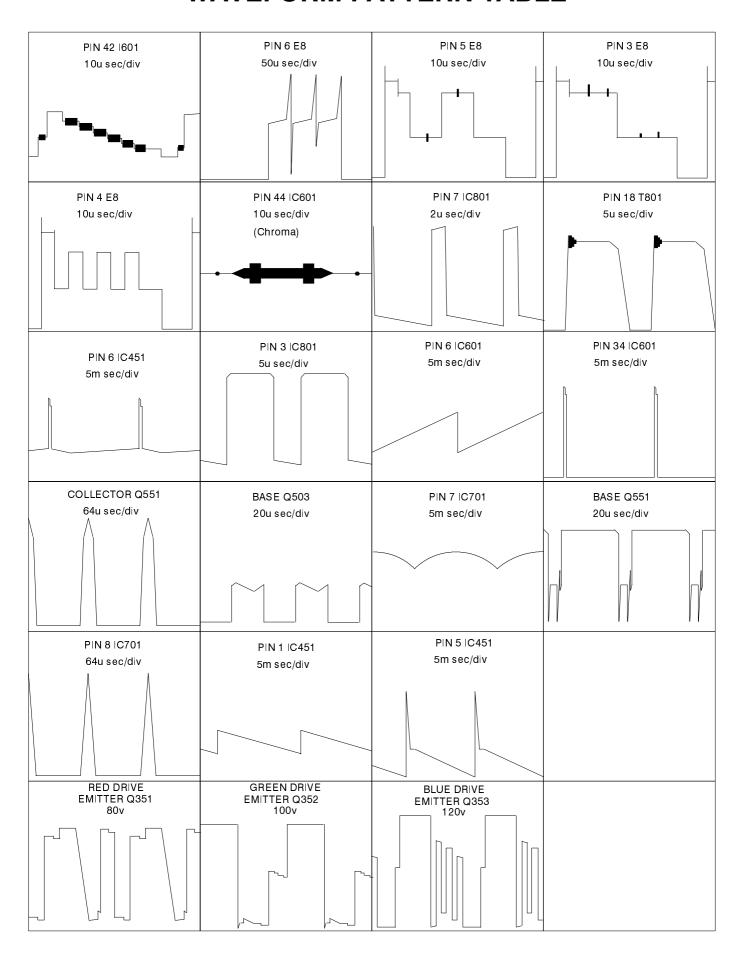
Adjustment Procedure

	Item/Preparation	Adjustments
+ B \$ 1. 2.	SET-UP Recieve a window pattern Set the controls: Brightness minimum Contrast minimum Volume minimum	1. Set the +B voltage up as follows: Adjust R811 so that B2 shows 130V +/- 1V 2. Confirm the following voltages. B1 200 +/- 10V B6 12 +/- 0.5V B3 27 +/- 1V B7 5 + 0.1/-0.25V B4 35.5 +/- 1V B8 5 +/- 0.25V B5 16.0 +/- 1V U33 31 +/- 1V
1. 2. 3.	Receive a test pattern. Connect an oscilloscope between the tuner RF AGC and ground. Set the oscilloscope gain range to 1V/div.	Check that the noise becomes large when the RF AGC VR R126 is turned counterclockwise. After the check turn it clockwise Gradually turn the RF AGC VR anti—clockwise, and set the RF AGC VR to the point where the RF AGC voltage is just falling to point where this voltage drops by 0.2V from the maximum value.
1. 2. 3. 4.	OFF Receive a widow pattern. Degauss the tube externally. Set the TV into Service Mode 1. Select Cutoff DC mode.	 Confirm then value is 128 and select Ug2 mode noting colour with largest value Turn the screen VR until a colour reaches 20~30. Connect an oscilloscope to the cathode with the biggest value colour. Select Cutoff DC mode and adjust Cutoff pulse to 159V +/- 5V. Disconnect the oscilloscope and adjust the screen to whichever colo reaches 50 +/- 10 first.

Alignment Settings

Alignment Function	TX-25MD1E	TX-21MD1E	Settings / Special features
1. Vertical amplitude	V-AM Po51	V-AM P063	
2. Vertical symmetry	V-SYM 013	V-SYM 002	Optimum setting
3. Vertical linearity	V-LIN 012	V-LIN -020	
4. Vert. D.C.	Vert. D.C.	Vert.D.C.	No adjustment
5. V-Pos.	V. Pos. 003	V. Pos 005	Optimum setting
6. Horizontal amplitude	H-AM P-033	H-AM P-044	Optimum setting
7. Horizontal position	H-POS 049	H-POS 542	
8. Text Position	TEXT POSITION 045	TEXT POSITION 049	Optimum setting
9. EW-amplitude	E-W-AMP 1 -058	E-W-AMP 1 -059	Optimum setting
10. EW-amplitude	E-W-AMP 2 023	E-W-AMP 2 044	Optimum setting
11. Trapezium-comp	TRAPEZ-1 -014	TRAPEZ-1 000	Optimum setting
12. Trapezium- comp	TRAPEZ-2 012	TRAPEZ-2 -009	Optimum setting
13. Colour VCO	Colour VCO 015	Colour VCO 006	Press either Blue or Yellow buttons to effect automatic adjustment
14. Cut-off DC	Cut-off DC 050	Cut-off DC 050	No adjustment
15. Ug2 Test	Ug 2 Test 107 021 023	Ug 2 Test 094 044 020	Select Cutoff DC in Service Mode mode and confirm the value is 128. Select Ug 2 Test noting colour with largest value, adjust on FBT until a colour reaches $20 \sim 30$. Connect an oscilloscope to the cathode of the biggest value colour, select Cutoff DC mode and adjust get Cutoff pulse voltage to $159\pm5V$. Disconnect the oscilloscope and adjust the screen to whichever colour reaches 50 ± 10 first.
16. Cutoff	Cutoff 045 055 050	Cutoff 057 064 056	Press the GREEN button to step through the settings. Adjust for optimum.
17. White	White 224 255 237	White 200 255 246	Press the GREEN button to step through the settings. Adjust for optimum.

WAVEFORM PATTERN TABLE



SCHEMATIC DIAGRAM FOR MODELS TX-25/21MD1E (EURO-2L CHASSIS)

IMPORTANT SAFETY NOTICE -

Components identified by mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

Notes

1. RESISTOR

All resistors are carbon $\frac{1}{4}$ W resistor, unless marked. Unit of resistance is OHM (Ω) (K=1,000, M=1,000,000).

2. CAPACITOR

All capacitors are ceramic 50V capacitors, unless marked, the unit of capacitance is μF unless otherwise stated.

3. COIL

Unit of inductance is μH , unless otherwise stated.

4. TEST POINT



: Test Point position

5. EARTH SYMBOL

: Chassis Earth (Cold)

דורוו

: Line Earth (Hot)



6. VOLTAGE MEASUREMENT

Voltage is measured by a DC voltmeter. Measurement conditions are as follows:

Power source AC 220-240V, 50Hz
Receiving Signal Colour Bar signal (RF)
All customer controls Maximum position

7.



: Indicates the Video signal path

: Indicates the Audio signal path

: Indicates the Vertical/Horizontal signal path

8. This schematic diagram is the latest at the time of printing and is subject to change without notice.

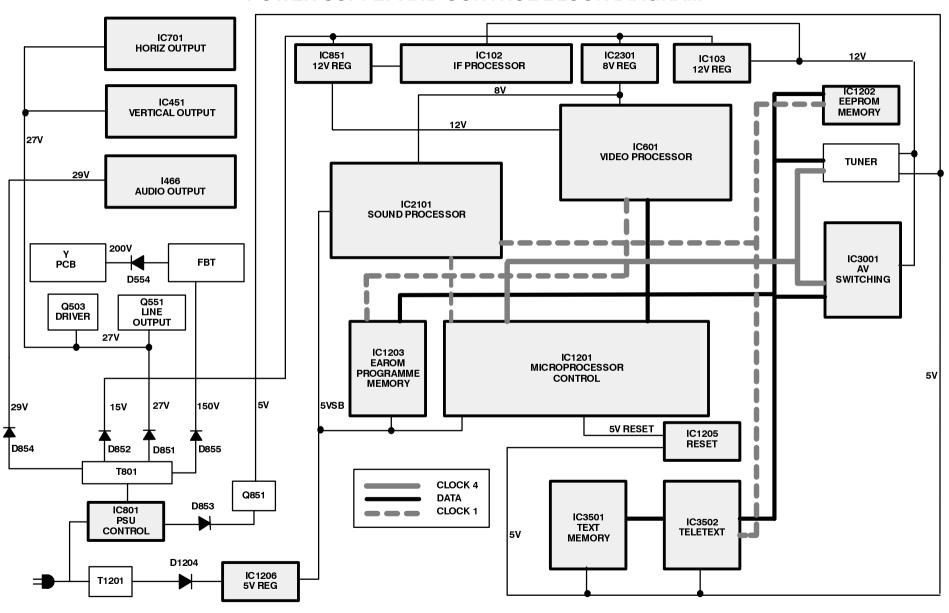
Precautions

- a. Do not touch the hot part, or the hot and cold parts at the same time, as you are liable to a shock hazard.
- b. Do not short—circuit the hot and cold circuits as electrical components may be damaged.
- c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously, as this may cause fuse failure. Connect the earth of the instruments to the earth connection of the circuit being measured.
- Make sure to disconnect the power plug before removing the chassis.

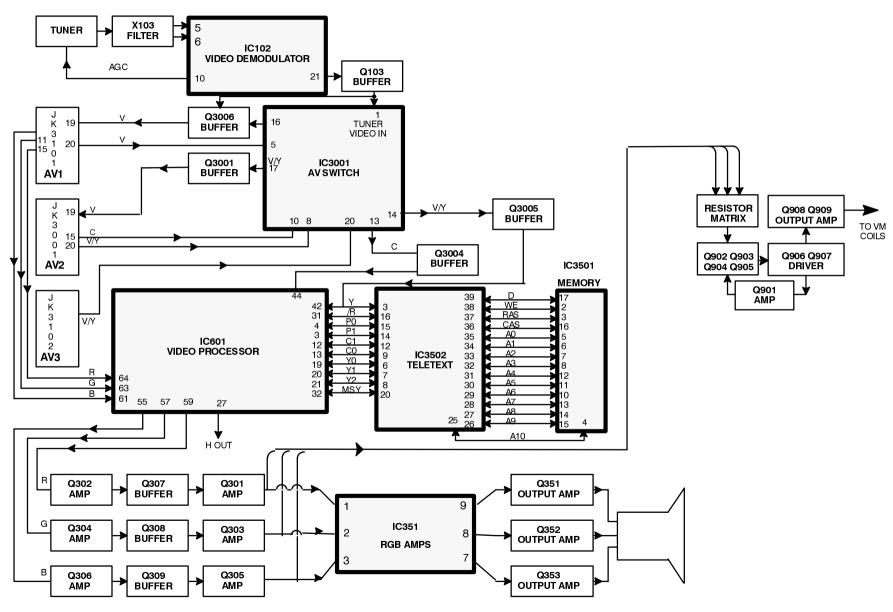
Remarks

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection. The circuit is defined by HOT and COLD indications in the schematic diagram. All circuits, except the Power Circuit, are COLD.

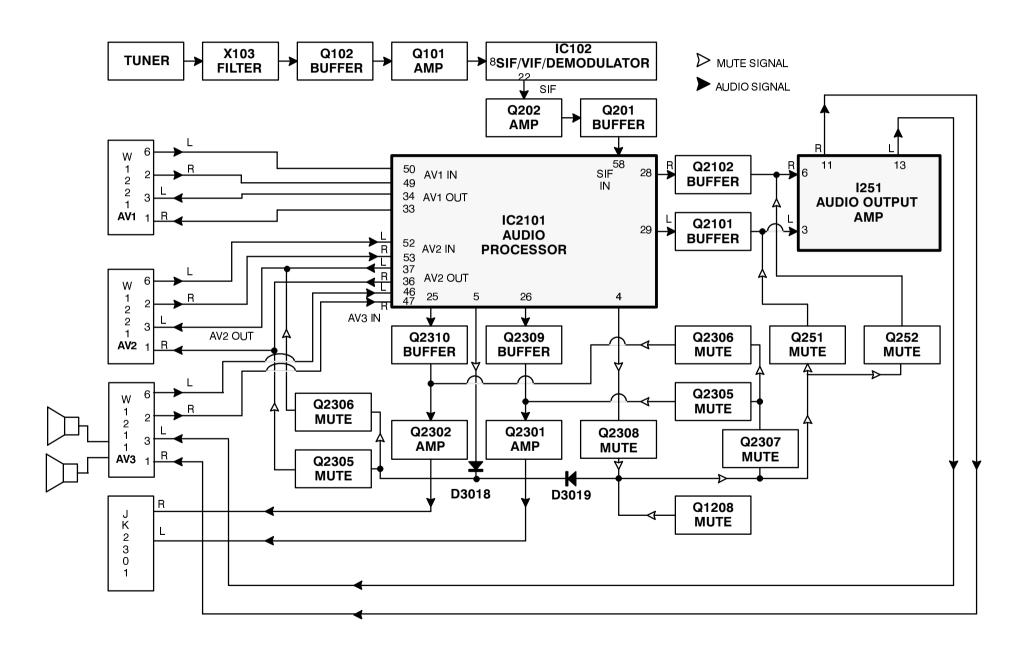
POWER SUPPLY AND CONTROL BLOCK DIAGRAM

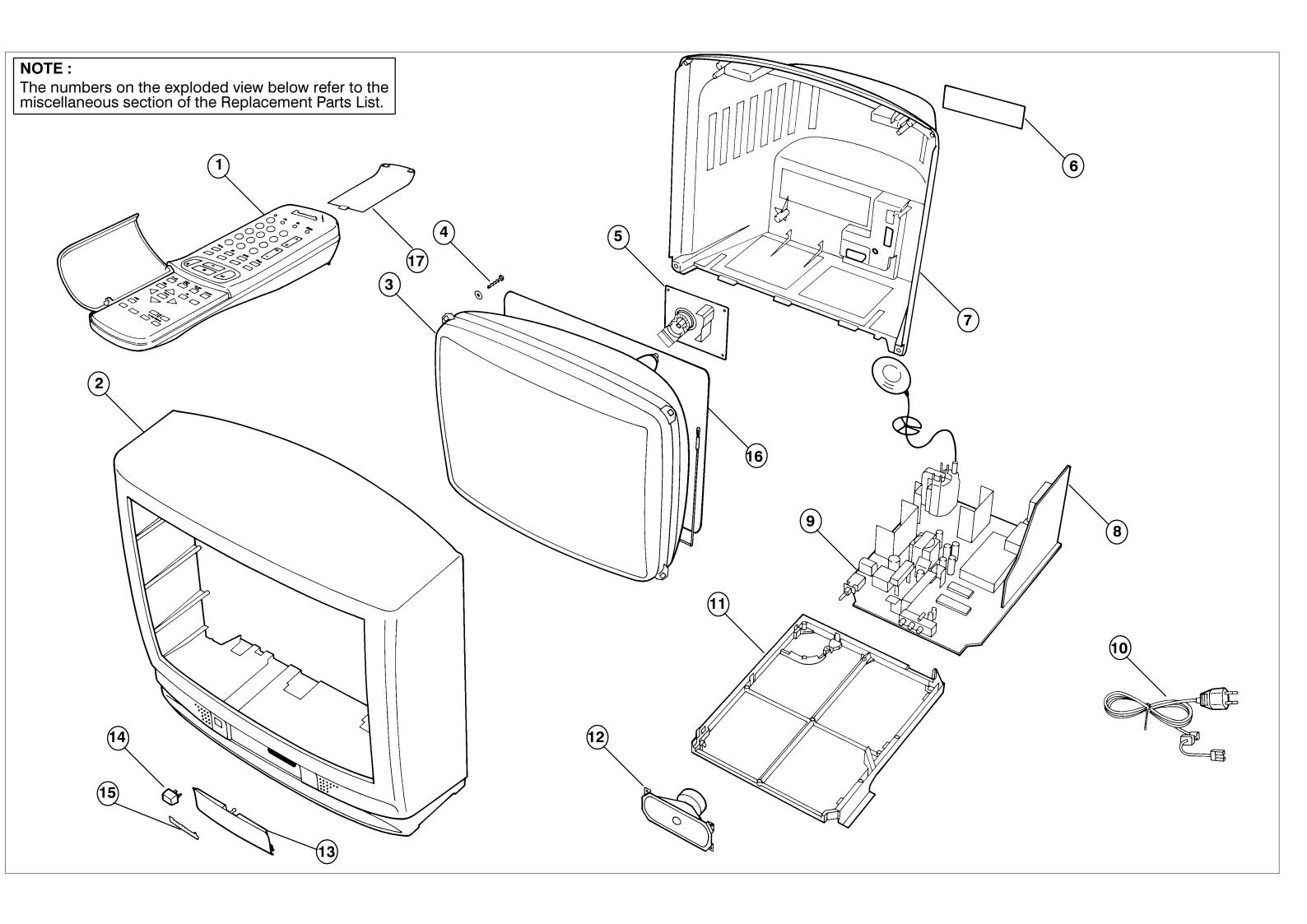


VIDEO BLOCK DIAGRAM



AUDIO BLOCK DIAGRAM





REPLACEMENT PARTS LIST

Important Safety Notice

Components identified by Δ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

Ref No.	Part No.	De	cription		Ref No.	Part No.		Descri	ption	
			·		C117	ECUV1H103ZFX	S.M.CAP	50V	10nF	
MISCE	ELLANEOUS C	OMPONENTS	6		C118	ECUV1H103ZFX		50V	10nF	
					C119	ECEA1HUR47	ELECT	50V	0.47μF	
1)	EUR51920	REMOTE CONT	ROL		C120	ECUV1H102KBX	S.M.CAP	50V	1nF	
2)	*****	SEE DIFFERENCE			C121	ECUV1H103ZFX	S.M.CAP	50V	10nF	
3)	*****	SEE DIFFERENCE			C122	ECUV1H151JX	S.M.CAP	50V	150pF	
4)	*****	SEE DIFFERENCE			C123	ECUV1H102KBX	S.M.CAP	50V	1nF	
5)	*****	SEE DIFFERENCE			C124	ECEA1CU470	ELECT	16V	47μF	
6)	TBM8E1451-1	PRESET LABEL			C125	ECUV1H103ZFX	S.M.CAP	50V	10nF	
7)	*****	SEE DIFFERENCE	CE LIST		C127	ECEA1CU470	ELECT	16V	47μF	
8)	TNP117064AG	B P.C.B.		A	C128	ECUV1H103ZFX	S.M.CAP	50V	10nF	
9)	*****	SEE DIFFERENCE	CFLIST	_	C130	ECEA1HUR47	ELECT	50V	0.47μF	
10)	TSX8E0011	MAINS LEAD		A	C131	ECEA1HU2R2	ELECT	50V	2.2μF	
11)	TMX8E010	CHASSIS FRAM	F	_	C132	ECUV1H331KBX	S.M.CAP	50V	330pF	
12)	EASG12D531F2				C133	ECUV1H102KBX	S M CAP	50V	1nF	
13)	TKP8E1127	LID			C134	ECUV1H103ZFX	S.M.CAP	50V	10nF	
14)	TBX8E026	POWER BUTTO	N		C135	ECUV1H103ZFX	S.M.CAP	50V	10nF	
15)	TBM153022	PANASONIC BA			C136	ECEA1CU100	ELECT	16V	10μF	
16)	*****	SEE DIFFERENCE			C137	ECEA1EU100	ELECT	25V	10μF	
17)	UR51EC780	BATTERY COVE			C138	ECUV1H103ZFX	S M CAP	50V	10nF	
''	TKP8E1128	LED PANEL	· · · · · · · · · · · · · · · · · · ·		C139	ECUV1H020CCX	S.M.CAP	50V	2pF	
	TMW8E020	LED HOLDER			C140	ECEA1HU010	ELECT	50V	1μF	
	TMX8E010	LED PANEL			C141	ECUV1H102KBX	S.M.CAP	50V	1nF	
	TPD8E562	CUSHION			C1 42	ECUV1H102KBX	S.M.CAP	50V	1nF	
	TQB8E2025A	GERMANINSTR	UCTION BOOK	A	C1 43	ECUV1H102KBX	S.M.CAP	50V	1nF	
	TQB8E2025B	DUTCHINSTRU		<u></u>	C1 45	ECEA1CU470	ELECT	16V	47μF	
	TQB8E2025D	FRENCHINSTR		<u>A</u>	C146	ECUV1H104ZFX	S.M.CAP	50V	100nF	
	TQB8E2025E	SPANISHINSTR		<u> </u>	C170	ECUV1H331KBX	S.M.CAP	50V	330pF	
	TQB8E2025E	SWEDISH INST		<u> </u>	C201	ECUV1H070DCX	S.M.CAP	50V	7pF	
					C202	ECUV1H070DCX	S.M.CAP	50V	7pF	
	TQB8E2025G		STRUCTION BOOK		C203	ECUV1H470JX	S.M.CAP	50V	47pF	
	TQB8E2025H	SUOMI INSTRUC		<u> </u>	C204	ECUV1H560JCX		50V	56pF	
	TQB8E2025J		NSTRUCTION BO		C205	ECUV1H100DCX	S.M.CAP	50V	10pF	
	TQB8E2025K	DANISHINSTRU	CTION BOOK	Δ	C207	ECUV1H220JCX		50V	22pF	
	TEK6935	LID SWITCH			C209	ECUV1H103ZFX		50V	10nF	
	TES8E012	EARTH SPRING			C210	ECUV1H103ZFX		50V	10nF	
	F9-4-220	RELAY			C211	ECUV1H103ZFX		50V	10nF	
MOE40	UM-3DEP-2P	BATTERY			C251	ECEA1EU101	ELECT	25V	100μF	
1	TES 4537	SPRING			C252	ECUV1H223KBX		50V	22nF	
MOE4	TES8E011	CHASSISSPRING	a a		C253	ECEA1HU4R7	ELECT	50V	4.7μF	
MOE6	TES 4537	SPRING			C255	ECEA1EGE101		25V	100μF	
INROUT	ENV578F5G3	TUNER		▲	C256	ECUV1H223KBX		50V	22nF	
0.00	0.7000				C257	ECEA1HU4R7	ELECT	50V	4.7μF	
CAPA	CITORS				C258	ECEA1EU101	ELECT	25V	100μF	
					C260	ECEA1VU102	ELECT		1000μF	
C001	ECUV1H103ZFX				C261	ECEA1VU102	ELECT		1000μF	
C002	ECEA1HUR33		/ 0.33μF		C263	ECEA1HU010	ELECT	50V	1μF	
C003	ECUV1H104ZFX				C264	ECEA1HGE222			2200μF	
C004	ECEA1CU221	ELECT 16			C266	ECEA1HU010	ELECT	50V	1μF	
C006	ECEA1CU101	ELECT 16	•		C267	ECUV1H104ZFX		50V		
C008	ECQB1H104J	FILM 50'			C268	ECUV1H104ZFX		50V	100nF	
C009	ECUV1H104ZFX				C269	ECEA1CU100	ELECT	16V	10μF	
C011	ECQB1H104J	FILM 50			C271	ECUV1H561KBX		50V	560pF	
C011	ECUV1H104ZFX				C301	ECEA1CU470	ELECT	16V	47μF	
C109	ECUV1H390JPX		•		C302	ECUV1H104ZFX		50V	100nF	
C110	ECUV1H102KBX				C303	ECUV1H104ZFX		50V	100nF	
C111	ECUV1H683ZFX				C310	ECUV1H104ZFX		50V	100nF	
C112	ECUV1H150JCX		•		C354	ECQM2104KZ	FILM	250V		
C113	ECEA1CU100	ELECT 16	•		C355	ECUV1H222JCX		50V	2.2nF	
C114	ECUV1H270JPX		•		C356	ECUV1H222JCX		50V	2.2nF	
C115	ECUV1H103ZFX				C357	ECUV1H222JCX		50V	2.2nF	
C116	ECEA1CU100	ELECT 16	/ 10μF		C360	ECKC3D152J	CERAMIC	2KV	1.5nF	

<u> — 21M</u>	IDIE				
Ref No.	Part No.	Des	scription		
C361	ECA1HMR47GB	ELECT	50V	R47μF	
C451	ECUV1H102JX	S.M.CAP	50V	1nF	
C452	ECUV1H473ZFX		50V	47nF	
C453	ECUV1H472KBX		50V	4.7nF	
C454	ECUV1H104ZFX		50V	100nF	
C456	ECEA1 HGE221	ELECT	50V	220μF	
C458	ECQM1H154J	FILM	50V	150nF	
C460	ECQV1H105JZ	FILM	50V	199111 1μF	
C462	ECEA1VGE332	ELECT		3300μF	
C501	ECEATVGE332 ECEATAU330	ELECT	10V	3300μF 33μF	
				,	
C506	ECUV1H103ZFX		50V	10nF	
C508	ECQV1H105JZ	FILM	50V	1μF	
C509	ECEA1HGE101	ELECT	50V	100μF	
C510	ECUV1H104ZFX		50V	100nF	
C511	ECQM2683JZ	FILM	250V	68nF	
C555	ECWH12H103J	FILM	1250V	10n F	∆ \.
C562	ECKC2H101J	CERAMIC	500V	100pF	1
C563	ECEA2EU220	ELECT	250V	22μF	
C564	ECEA2AU2R2	ELECT	100V	$2.2\mu F$	
C565	ECQP1H273J	FILM	50V	27nF	
C601	ECUV1H271JCX	S.M.CAP	50V	270pF	
C602	ECUV1H121JCX	S.M.CAP	50V	120pF	
C603	ECUV1H471JCX	S.M.CAP	50V	470pF	
C604	ECEA0JU102	ELECT	6.3V	1000μF	
C605	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C608	ECUV1H683ZFX	S.M.CAP	50V	68nF	
C609	ECEA1CU470	ELECT	16V	47μF	
C610	ECUV1H683ZFX		50V	68nF	
C611	ECUV1H104ZFX		50V	100nF	
C612	ECUV1H103ZFX		50V	10nF	
C613	ECUV1H102JCX		50V	1nF	
C614	ECUV1H104ZFX		50V	100nF	
C615	ECUV1H103ZFX		50V	100m	
			50V		
C616	ECUV1H103ZFX			10nF	
C618	ECUV1H473ZFX		50V	47nF	
C619	ECUV1H104ZFX		50V	100nF	
C620	ECUV1H104ZFX		50V	100nF	
C621	ECEA1CU100	ELECT	16V	10μF	
C622	ECEA1CU100	ELECT	16V	10μF	
C623	ECUV1H104ZFX		50V	100nF	
C624	ECUV1H103ZFX		50V	10nF	
C625	ECEA1 HNR22	ELECT	50V	0.22μF	
C626	ECEA0JU102	ELECT	6.3V	1000μF	
C627	ECUV1H100DCX	S.M.CAP	50V	10pF	
C628	ECUV1H470JCX	S.M.CAP	50V	47pF	
C629	ECUV1H101JCX	S M CAP	50V	100pF	
C630	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C631	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C632	ECUV1H104ZFX		50V	100nF	
C633	ECUV1H102JCX		50V	1nF	
C636	ECUV1H101JCX		50V	100pF	
C637	ECUV1H102KBX		50V	1nF	
C638	ECUV1H181JCX		50V	180pF	
C639	ECUV1H561KBX		50V	560pF	
C702	ECUV1H103KBX		50V	10nF	
C702	ECQB1H223K	FILM	50V	22nF	
C801	ECUV1H101JCX		50V	100pF	
C802	ECQE6104K	FILM	600V	100pF	$\Delta\!$
					412
C803	ECUV1H560JX	S.M.CAP	50V	56pF	
C804	ECEA1CU101	ELECT	16V	100μF	
C805	ECUV1H104ZFX		50V	100nF	
C806	ECEA1HU101	ELECT	50V	100μF	
C807	ECEA1EGE101	ELECT	25V	100μF	
C808	ECQB1H103J	FILM	50V	10n F	
C809	ECQB1H103J	FILM	50V	10n F	
C810	ECQU2A224MN	FILM	250V	220nF	
C811	ECEA1HN010	ELECT	50V	1μF	
C815	ECKC2H472J	CERAMIC	500V	4.7nF	$\Delta\!$
C816	ECKC3D222JB	CERAMIC	2KV	2200pF	$\Delta\!$
C817	ECQB1H223K	FILM	50V	22n F	

Ref No.	Part No.	Des	cription		
C818	ECKC2H472J	CERAMIC		4.7nF	Δ.
C821	ECKCNS332J	CERAMIC			$\Delta\!$
C851	ECKC2H681J	CERAMIC	500V	680pF	$\Delta\!$
C852	ECEA1HU102	ELECT	50V	1000μF	
C853	ECEA1EGE222	ELECT	25V		
C854	ECEA1HGE102	ELECT	50V	1000μF	
C855	ECKC3D471JB		2KV	470pF	Δ
C856	ECEA1EGE222			2200μF	
C858 C859	ECUV1H103ZFX ECUV1H103ZFX		50V 50V	10nF 10nF	
C860	ECEA1CU471	ELECT	16V	470μF	
C862	ECEA1CU471	ELECT	16V	470μF	
C1051	ECEA0JU101	ELECT	6.3V	100μF	
C1052	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C1201	ECUV1H332KBX		50V	3.3nF	
C1202	ECUV1H332KBX		50V	3.3nF	
C1203	ECUV1H332KBX		50V	3.3nF	
C1204 C1205	ECUV1H332KBX ECUV1H103ZFX		50V 50V	3.3nF 10nF	
C1206	ECEA1HU4R7	ELECT	50V	4.7μF	
C1207	ECUV1H472KBX		50V	4.7nF	
C1208	ECUV1H390JCX	S.M.CAP	50V	39pF	
C1209	ECUV1H390JCX	S.M.CAP	50V	39pF	
C1210	ECUV1H103ZFX		50V	10nF	
C1211	ECUV1H470JCX		50V	47pF	
C1212	ECEA1CU470	ELECT	16V	47μF	
C1213 C1214	ECUV1H103ZFX		50V 16V	10nF 47μF	
C1214	ECEA1CU470 ECUV1H103ZFX	ELECT S M CAP	50V	47μF 10nF	
C1217	ECUV1H104ZFX		50V	100nF	
C1219	ECEA1CU471	ELECT	16V	470μF	
C1220	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C1221	ECEA0JU102	ELECT	6.3V	1000μF	
C1222	ECUV1H104ZFX		50V	100nF	
C1223	ECEA1CU101	ELECT	16V	100μF	
C1 224 C1 225	ECEA0JU222	ELECT	6.3V 6.3V	2200μF 4.7nF	
C1225	ECEA0JM472GE ECEA1CU101	ELECT	16V	4.7π 100μF	
C2101	ECUV1H223KBX		50V	22nF	
C2102	ECUV1H391KBX	S.M.CAP	50V	390pF	
C2103	ECUV1H102KBX	S.M.CAP	50V	1nF	
C2104	ECUV1H102KBX	S.M.CAP	50V	1nF	
C2107	ECUV1H391KBX		50V	390pF	
C2108	ECEA1CU101	ELECT	16V	100μF	
C2109 C2110	ECUV1H223KBX ECEA1CU100	ELECT	50V 16V	22nF	
C2110	ECUV1H104ZFX		50V	10μF 100nF	
C2112	ECEA1CU100	ELECT	16V	10μF	
C2113	ECUV1H102KBX		50V	1nF	
C2114	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C2115	ECUV1H471KBX		50V	470pF	
C2116	ECEA1HU3R3	ELECT	50V	3.3μF	
C2117	ECUV1H471KBX		50V	470pF	
C2118 C2119	ECUV1H104ZFX ECEA1CU100	ELECT	50V 16V	100nF 10μF	
C2119	ECUV1H104ZFX		50V	100nF	
C2121	ECUV1H104ZFX		50V	100nF	
C2122	ECUV1H104ZFX		50V	100nF	
C2123	ECEA1CU100	ELECT	16V	10μF	
C2124	ECUV1H104ZFX		50V	100nF	
C2125	ECUV1H030CCX		50V	30pF	
C2126	ECUV1H030CCX		50V	30pF	
C2127 C2307	ECEA1CU100 ECEA1CU470	ELECT ELECT	16V 16V	10μF 47μF	
C2307	ECEA1CU470	ELECT	16V	47μF 47μF	
C2309	ECEA1CU101	ELECT	16V	-7/μι 100μF	
C2310	ECEA1CU470	ELECT	16V	47μF	
C2312	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C2313	ECUV1H103KBX		50V	10nF	
C2314	ECUV1H104ZFX	S.M.CAP	50V	100nF	
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Ref No.	Part No.	Descr	iption			Ref No.	Part No.	Description
C2315	ECUV1H103KBX	S.M.CAP	50V	10nF		D254	MA700TA5	DIODE
C2316	ECUV1H103ZFX	S.M.CAP	50V	10nF		D310	MA165TA5	DIODE
C2317	ECEA1CU470	ELECT	16V	47μF		D311	MA29TA5	DIODE
C2318	ECUV1H222KBX	S.M.CAP	50V	2.2nF		D312	MA29TA5	DIODE
C2319	ECUV1H222KBX	S.M.CAP	50V	2.2nF		D354	ERA22-04V1	DIODE
C2651	ECUV1H103KBX	S.M.CAP	50V	10nF		D355	ERA22-04V1	DIODE
C2652	ECUV1H103KBX		50V	10nF		D356	ERA22-04V1	DIODE
C3001	ECEA1 HUR47	ELECT	50V	0.47μF		D357	MA165TA5	DIODE
C3002	ECEA1 HUR47	ELECT	50V	0.47μF		D358	MA165TA5	DIODE
C3003	ECEA1EU4R7	ELECT	25V	4.7μF		D359	MA165TA5	DIODE
C3004	ECEA1 HU4R7	ELECT	50V	4.7μF		D360	MA4150	DIODE
C3005	ECEA1HU4R7	ELECT	50V	4.7μF		D451	MA165TA5	DIODE
C3006	ECUV1H473ZFX	S.M.CAP	50V	47nF		D452	MA165TA5	DIODE
C3007	ECEA1HU470	ELECT	50V	47μF		D454	ERA15-02V3	DIODE
C3011	ECUV1H473ZFX	S.M.CAP	50V	47nF		D456	MA2160BLFS	DIODE
C3012	ECEA1CU470	ELECT	16V	47μF		D501	MA165TA5	DIODE
C3013	ECUV1H104ZFX	S.M.CAP	50V	100nF		D502	EU02	DIODE
C3014	ECUV1H104ZFX	S.M.CAP	50V	100nF		D551	ERD07-15L7	DIODE
C3017	ECEA1CN470	ELECT	16V	47μF		D552	TVSRU2AM	DIODE
C3018	ECUV1H102KBX	S.M.CAP	50V	1nF		D554	AU02V0	DIODE
C3019	ECUV1H102KBX	S.M.CAP	50V	1nF		D556	MA166TA5	DIODE
C3021	ECUV1H102KBX	S.M.CAP	50V	1nF		D601	MA165TA5	DIODE
C3023	ECEA1CU470	ELECT	16V	47μF		D602	MA165TA5	DIODE
C3024	ECUV1H473ZFX	S.M.CAP	50V	47nF		D604	MA165TA5	DIODE
C3025	ECUV1H102KBX	S.M.CAP	50V	1nF		D605	MA165TA5	DIODE
C3026	ECEA1 HUR47	ELECT	50V	0.47μF		D606	MA165TA5	DIODE
C3027	ECEA1HUR47	ELECT	50V	0.47μF		D609	MA167TA5	DIODE
C3028	ECUV1H221JX	S.M.CAP	50V	220pF		D701	MA165TA5	DIODE
C3029	ECUV1H221JX	S.M.CAP	50V	220pF		D702	MA4056	DIODE
C3030	ECUV1H221JX	S.M.CAP	50V	220pF		D801	MA165TA5	DIODE
C3031	ECUV1H221JX	S.M.CAP	50V	220pF		D802	MA165TA5	DIODE
C3032	ECEA1HUR47	ELECT	50V	0.47μF		D803	MA165TA5	DIODE
C3033	ECEA1HUR47	ELECT	50V	0.47μF		D804	ERA15-02V3	DIODE
C3034	ECUV1H221JX	S.M.CAP	50V	220pF		D805	EU02	DIODE
C3035	ECUV1H221JX	S.M.CAP	50V	220pF		D806	RBV4-08	DIODE
C3036	ECUV1H222KBX	S.M.CAP	50V	2.2nF		D807	EU02	DIODE
C3037	ECUV1H561JCX	S.M.CAP	50V	560pF		D808	PC120FY	DIODE
C3038	ECEA1CU470	ELECT	16V	47μF		D809	MA165TA5	DIODE
C3039	ECEA1CU470	ELECT	16V	47μF		D851	EU02	DIODE
C3040	ECEA1HUR47	ELECT	50V	0.47μF		D852	ERD32-02L7	DIODE
C3041	ECEA1HUR47	ELECT	50V	0.47μF		D853	FML22SLF610	DIODE
C3043	ECEA1HU4R7	ELECT	50V	4.7μF		D854	RU4AMLF-M1	DIODE
C3045	ECUV1H104ZFX	S.M.CAP	50V	100nF		D855	RU4BLF—L1	DIODE
C3050	ECUV1H222KBX	S.M.CAP	50V	2.2nF		D856	MA4047	DIODE
C3051	ECUV1H222KBX	S.M.CAP	50V	2.2nF		D857	MA4300	DIODE
C3052	ECUV1H561JCX	S.M.CAP	50V	560pF		D858	MA29TA5	DIODE
C3053	ECUV1H561JCX	S.M.CAP	50V	560pF		D1201	LN81RPHL	DIODE
C3054	ECUV1H222KBX	S.M.CAP	50V	2 2n F		D1203	MA4082	DIODE
C3055	ECUV1H561JCX	S.M.CAP	50V	560pF		D1204	TVSS1WBS10	DIODE
C3056	ECCR1H101J	CERAMIC	50V	100pF		D1205	MA165TA5	DIODE
C3062	ECUV1H104ZFX	S.M.CAP	50V	100nF		D1207	MA165TA5	DIODE
C3071	ECUV1H104ZFX	S.M.CAP	50V	100nF		D1208	MA165TA5	DIODE
C3151	ECUV1H561JCX	S.M.CAP	50V	560pF		D1209	MA165TA5	DIODE
C3152	ECUV1H561JCX		50V	560pF		D2303	MA165TA5	DIODE
C3501	ECUV1H104ZFX		50V	100nF		D2304	MA4091	DIODE
C3502	ECEA1CU101	ELECT	16V	100μF		D3001	MA4120	DIODE
C3503	ECUV1H103ZFX	S.M.CAP	50V	10n F		D3003	MA4082	DIODE
C3504	ECUV1H102JCX	S.M.CAP	50V	1nF		D3004	MA4100	DIODE
C3505	ECUV1H104ZFX	S.M.CAP	50V	100nF		D3005	MA4120	DIODE
C3506	ECEA1CU470	ELECT	16V	47μF		D3006	MA4120	DIODE
C3507	ECEA1CU470	ELECT	16V	47μF		D3007	MA4120	DIODE
C3508	ECUV1H473ZFX		50V	47nF		D3008	MA4082	DIODE
C3509	ECUV1H103ZFX		50V	10n F		D3009	MA4082	DIODE
C3510	ECEA0JU102	ELECT		1000μF		D3010	MA4082	DIODE
C3511	ECUV1H103ZFX	S.M.CAP	50V	10n F		D3011	MA4082	DIODE
						D3012	MA4120	DIODE
DIODE	ES					D3013	MA4120	DIODE
						D3014	MA4120	DIODE
D251	MA2180TP	DIODE				D3015	MA4120	DIODE
D252	MA165TA5	DIODE				D3016	MA4120	DIODE
D253	MA700TA5	DIODE				D3018	MA165TA5	DIODE
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Ref No.	Part No.	Description		
D3019	MA165TA5	DIODE		
D3501	MA165TA5	DIODE		
FUSES	3			
F801	19181-3.15	FUSE	Δ	
F851	TR5-T1250	FUSE	Δ	
F852	TR5-T2000	FUSE	$\Delta\!$	
F853	TR5-T2000	FUSE	Δ	
F8011	EYF52BC	FUSE HOLDER		
F8012	EYF52BC	FUSE HOLDER		
SOCK	ETC			

SOCKETS

H1202 832AG11D-ESL I.C.SOCKET

INTEGRATED CIRCUITS

IC102	LA7577N	V.I.F.
IC103	L78M12MRB	12V REGULATOR
IC1051	RPM-637CBRL	L.E.D. RECEIVER
IC1201	CCU3000I-05	CENTRAL CONTROL UNIT
IC1202	27C010-08AME	EPROM
IC1205	MN1280R	RESET
IC1206	L78M05MRB	5V REGULATOR
IC2101	MSP3410-15	AUDIO PROCESSOR
IC2301	AN78L08TA	8V REGULATOR
IC251	LA4280-TV	AUDIO OUTPUT
IC3001	TEA6415C	A.V. SWITCHING
C3501	UD61256DC-08	DYNAMIC RAM
IC3502	TPU3040-20	TEXT PROCESSING UNIT
IC351	TDA6103Q	RGB AMPLIFIER
IC451	TDA8175-3	VERTICAL OUTPUT
IC601	VDP3108-25	VIDEO PROCESSOR
IC701	TEA2031A	HORIZONTAL OUTPUT
IC801	TDA4601	I.C.POWER SUPPLY
IC851	L78M12MRB	12V REGULATOR

TERMINALS AND LINKS

JA.1 ERJ6GEY0R00 WIRE LINK

	ED 100 EV0E 00	MUDE LINUX
	ERJ8GEY0R00	
JA.10	ERJ6GEY0R00	WIRE LINK
JA.11	ERJ6GEY0R00	WIRE LINK
JA.11	ERJ8GEY0R00	WIRE LINK
JA.12	ERJ6GEY0R00	WIRE LINK
JA.12	ERJ8GEY0R00	WIRE LINK
JA.13	ERJ6GEY0R00	WIRE LINK
JA 14	ERJ6GEY0R00	WIRE LINK
JA.14	ERJ8GEY0R00	WIRE LINK
JA.15	ERJ6GEY0R00	WIRE LINK
JA 15	ERJ8GEY0R00	WIRE LINK
JA 16	ERJ6GEY0R00	WIRE LINK
JA.16	ERJ8GEY0R00	WIRE LINK
JA 17	ERJ6GEY0R00	WIRE LINK
JA 17	ERJ8GEY0R00	WIRE LINK
JA 18	ERJ6GEY0R00	WIRE LINK
JA.19	ERJ6GEY0R00	WIRE LINK
JA.2	ERJ6GEY0R00	WIRE LINK
JA.2	ERJ8GEY0R00	WIRE LINK
JA.20	ERJ6GEY0R00	WIRE LINK
JA.21	ERJ6GEY0R00	WIRE LINK
JA.22	ERJ6GEY0R00	WIRE LINK
JA.22	ERJ8GEY0R00	WIRE LINK
JA.23	ERJ6GEY0R00	WIRE LINK
JA 24	ERJ6GEY0R00	WIRE LINK
JA.25	ERJ6GEY0R00	WIRE LINK
JA.25	ERJ8GEY0R00	WIRE LINK
JA.26	ERJ6GEY0R00	WIRE LINK
JA.27	ERJ6GEY0R00	WIRE LINK

Ref No.	Part No.	Description
JA 28 JA 29	ERJ6GEY0R00 ERJ6GEY0R00	WIRE LINK WIRE LINK
JA.3	ERJ6GEY0R00	WIRE LINK
JA.3	ERJ8GEY0R00	WIRE LINK
JA 30	ERJ6GEY0R00	WIRE LINK
JA.31 JA.32	ERJ6GEY0R00 ERJ6GEY0R00	WIRE LINK WIRE LINK
JA.33	ERJ6GEY0R00	WIRE LINK
JA 34	ERJ6GEY0R00	WIRE LINK
JA 35	ERJ6GEY0R00	WIRE LINK
JA 36 JA 37	ERJ6GEY0R00 ERJ6GEY0R00	WIRE LINK WIRE LINK
JA.38	ERJ6GEY0R00	WIRE LINK
JA 39	ERJ6GEY0R00	WIRE LINK
JA.4 JA.4	ERJ6GEY0R00 ERJ8GEY0R00	WIRE LINK WIRE LINK
JA.5	ERJ6GEY0R00	WIRE LINK
JA.6	ERJ6GEY0R00	WIRE LINK
JA 6	ERJ8GEY0R00	WIRE LINK
JA.7 JA.7	ERJ6GEY0R00 ERJ8GEY0R00	WIRE LINK WIRE LINK
JA.8	ERJ6GEY0R00	WIRE LINK
JA.9	ERJ6GEY0R00	WIRE LINK
JK2301 JK3001	TJB18644 TJS8E007	AV TERMINAL 21PIN TERMINAL
JK3101	TJS8E007	21PIN TERMINAL
JSB.5	ERJ6GEY0R00	WIRE LINK
JSE.31	ERJ6GEY0R00	WIRE LINK
JSE011 JSE012	ERJ6GEY0R00 ERJ6GEY0R00	WIRE LINK WIRE LINK
JSE013	ERJ6GEY0R00	WIRE LINK
JSE014	ERJ6GEY0R00	WIRE LINK
JSE015 JSE016	ERJ6GEY0R00 ERJ6GEY0R00	WIRE LINK WIRE LINK
JSE010	ERJ6GEY0R00	WIRE LINK
J196	EXCELSA35T	COIL
COILS		
L001	TLT100K991R	COIL
L002 L102	TLT047K991R EIV7EN200B	COIL
L103	TLT100K991R	COIL
L104	EIV7EN201B	COIL
L105 L106	TLT082K991R TLT022K991R	COIL COIL
L109	TLTR47K991R	COIL
L111	TLTR82K991R	COIL
L112 L113	EXCELSA35T	COIL
L113	EXCELSA35T TLT068K991R	COIL
L251	EXCELSA35T	COIL
L301	TLT047K991R	COIL
L302 L303	EXCEMT101BT EXCEMT101BT	COIL
L304	EXCEMT101BT	COIL
L601	TLT047K991R	COIL
L602 L603	EXCELDR35V TLT047K991R	COIL
L604	EXCELDR35V	COIL
L606	TLT015K991R	COIL
L607 L701	EXCELSA35T ELC10D006	COIL
L801	298-19711	COIL
L802	TLT022K991R	COIL
L803	ELF18D490F	COIL COIL
1001		CACHI
L804 L805	ELESN4R7KA 298-82858001	
L804 L805 L851	298-82858001 EXCELDR35V	COIL COIL
L805	298-82858001	COIL

Ref No.	Part No.	Description
Ref No. L854 L855 L856 L1051 L1201 L1202 L1203 L1204 L2101 L2102 L2103 L2104 L3151 L3152	ELEIN470KA ELEIN470KA ELEIN470KA TLT331K991R TLT047K991R TLT047K991R TLT047K991R EXCELDR35V TLT100K991R TLT039K991R EXCELSA35T EXCELSA35T EXCEMT101BT EXCEMT101BT	Description COIL
L3153 L3154 L3155 L3156 L3158 L3501 L3502 L3503 L3504	EXCEMT101BT EXCEMT101BT ELEBT6R8KA ELEBT6R8KA EXCELSA39V EXCELDR35V EXCELDR35V ELES N4R7KA EXCELSA35T	COIL COIL COIL COIL COIL COIL COIL COIL
Q101 Q102 Q103 Q201 Q202 Q251 Q252 Q253 Q301 Q302 Q303 Q304 Q305 Q306 Q307 Q308 Q309	BF370-126 BF370-126 BC847B BC847B BC847B 2SD1328STX 2SD1328STX BC847B BC857B BC857B BC857B BC847B BC857B BC847B BC857B BC847B BC847B BC847B BC847B	TRANSISTOR

TRANSISTOR

Q310

Q311

Q351

Q352

Q353

Q451

Q501

Q502

Q503

Q504

Q552

Q701

Q801

Q802

Q851

Q852

Q1207

Q1208

Q2101

Q2102

Q2301

Q2305

Q1201 BC847B

Q1202 BC847B

Q1205 BC847B

Q1206 BC847B

Q2302 BC857B

BC847B

BC847B

2SA1767

2SA1767

2SA1767

BC847B

BC847B

BC847B

BC847B

BC857B

2SC1573

BC847B

BC857B

BC860B

BC860B

BC857B

Q2306 2SD1328STX

2SD1328STX

2SD836-AL

2SC1473-RN

S2000NLBMA

2SD1273PLB

TFD312SOF632 DIODE

Q2307	Tarrito.	B accompliant	
	BC860B	TRANSISTOR	
Q2308	BC857B	TRANSISTOR	
Q2309	BC860B	TRANSISTOR	
Q2310	BC860B	TRANSISTOR	
Q3001	2SC1318-S	TRANSISTOR	
Q3004	BC847B	TRANSISTOR	
1			
Q3005	BC847B	TRANSISTOR	
Q3006	2SC1318-S	TRANSISTOR	
Q3011	BC857B	TRANSISTOR	
Q3012	2SD1328STX	TRANSISTOR	
Q3013	=		
Q0010	2001020017	THANGIOTOTI	
RESIS	TOR		
R.107	ERJ6GEY0R00	WIRE LINK	
R.109	ERJ6GEY0R00	WIRE LINK	
R.123	ERJ6GEY0R00	WIRE LINK	
R.139	ERJ6GEY0R00	WIRE LINK	
1		WIRE LINK	
R.142	ERJ6GEY0R00		
R.143	ERJ6GEY0R00	WIRE LINK	
R.203	ERJ6GEY0R00	WIRE LINK	
R.604	ERJ6GEY0R00	WIRE LINK	
R.622	ERJ6GEY0R00	WIRE LINK	
R001	ERJ6GEYJ223	S.M.CARB 0.1W	5% 22KΩ
R002	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω
R003	ERJ6GEYJ101	S M CARB 0.1W	5% 100Ω
1	ERJ6GEYJ101		
R004		S M CARB 0.1W	
R113	ERJ6GEYJ153	S.M.CARB 0.1W	5% 15KΩ
R116	ERJ6GEYJ103	S.M.CARB 0.1W	5% 10KΩ
R117	ERJ6GEYJ683	S.M.CARB 0.1W	5% 68 K Ω
R118	ERJ6ENF4701	SM.CARB0.125W	1% 700Ω
R119	ERJ6ENF1202	SM.CARB0.125W	1% 2KΩ
R120	ERJ6GEYJ102	S.M.CARB 0.1W	5% 1KΩ
R121	ERJ6GEYJ201	SM CARBO 125W	5% 200Ω
R122	ERJ6GEYJ470	S M CARB 0.1W	5% 47Ω
R124	ERJ6GEYJ682	S.M.CARB 0.1W	5% 6K8Ω
R125	ERJ6GEYJ102	S.M.CARB 0.1W	5% 1KΩ
R126	EVNDXAA03B53	CONTROL	5K Ω
R127	ERDS1TJ121	CARBON 0.5W	5% 120Ω
R128	ERJ6GEYJ271	S.M.CARB 0.1W	5% 270Ω
R129	ERJ6GEYJ332	S.M.CARB 0.1W	5% 3K3Ω
R130	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω
R131	ERJ6GEYJ102	S.M.CARB 0.1W	5% 1KΩ
1			
R132	ERJ6GEYJ222	S M CARB 0.1W	5% 2K2Ω
R133	ERJ6GEYJ682	S.M.CARB 0.1W	5% 6K8Ω
R134	ERJ6GEYJ222	S.M.CARB 0.1W	5% 2K2Ω
R136	ERJ6GEYJ473	S.M.CARB 0.1W	5% 47 K Ω
R137	ERJ6GEYJ563	S.M.CARB 0.1W	
R138	ERJ6GEYJ101		5% 56 K Ω
	ENJOGETJIUI	S.M.CARB 0.1W	5% 56KΩ 5% 100Ω
R141			5% 100Ω
1	ERJ6GEYJ102	S.M.CARB 0.1W	5% 100Ω 5% 1KΩ
R145	ERJ6GEYJ102 ERJ6GEYJ152	S.M.CARB 0.1W S.M.CARB 0.1W	5% 100Ω 5% 1KΩ 5% 1K5Ω
R145 R146	ERJ6GEYJ102 ERJ6GEYJ152 ERJ6GEYJ471	S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W	5% 100Ω5% 1ΚΩ5% 1Κ5Ω5% 470Ω
R145 R146 R147	ERJ6GEYJ102 ERJ6GEYJ152 ERJ6GEYJ471 ERJ6GEYJ821	S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W	5% 100Ω 5% 1KΩ 5% 1K5Ω 5% 470Ω 5% 820Ω
R145 R146 R147 R149	ERJ6GEYJ102 ERJ6GEYJ152 ERJ6GEYJ471 ERJ6GEYJ821 ERJ6GEYJ181	S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W	5% 100Ω 5% 1KΩ 5% 1K5Ω 5% 470Ω 5% 820Ω 5% 180Ω
R145 R146 R147 R149 R201	ERJ6GEYJ102 ERJ6GEYJ152 ERJ6GEYJ471 ERJ6GEYJ821 ERJ6GEYJ181 ERJ6GEYJ471	S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W	5% 100Ω 5% 1KΩ 5% 1K5Ω 5% 470Ω 5% 820Ω 5% 180Ω 5% 470Ω
R145 R146 R147 R149	ERJ6GEYJ102 ERJ6GEYJ152 ERJ6GEYJ471 ERJ6GEYJ821 ERJ6GEYJ181	S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W	5% 100Ω 5% 1KΩ 5% 1K5Ω 5% 470Ω 5% 820Ω 5% 180Ω
R145 R146 R147 R149 R201	ERJ6GEYJ102 ERJ6GEYJ152 ERJ6GEYJ471 ERJ6GEYJ821 ERJ6GEYJ181 ERJ6GEYJ471	S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W	5% 100Ω 5% 1KΩ 5% 1K5Ω 5% 470Ω 5% 820Ω 5% 180Ω 5% 470Ω
R145 R146 R147 R149 R201 R204	ERJ6GEYJ102 ERJ6GEYJ152 ERJ6GEYJ471 ERJ6GEYJ821 ERJ6GEYJ181 ERJ6GEYJ471	S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W	5% 100Ω 5% 1KΩ 5% 1K5Ω 5% 470Ω 5% 820Ω 5% 180Ω 5% 470Ω 5% 470Ω
R145 R146 R147 R149 R201 R204 R205 R206	ERJ6GEYJ102 ERJ6GEYJ152 ERJ6GEYJ471 ERJ6GEYJ821 ERJ6GEYJ181 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ332 ERJ6GEYJ681	S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W	5% 100Ω 5% 1KΩ 5% 1K5Ω 5% 470Ω 5% 820Ω 5% 180Ω 5% 470Ω 5% 470Ω 5% 3K3Ω 5% 680Ω
R145 R146 R147 R149 R201 R204 R205 R206 R207	ERJ6GEYJ102 ERJ6GEYJ152 ERJ6GEYJ471 ERJ6GEYJ821 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ332 ERJ6GEYJ681 ERJ6GEYJ103	S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W S.M.CARB 0.1W	5% 100Ω 5% 1KΩ 5% 1K5Ω 5% 470Ω 5% 820Ω 5% 180Ω 5% 470Ω 5% 470Ω 5% 3K3Ω 5% 680Ω 5% 10KΩ
R145 R146 R147 R149 R201 R204 R205 R206 R207 R208	ERJ6GEYJ102 ERJ6GEYJ152 ERJ6GEYJ471 ERJ6GEYJ821 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ332 ERJ6GEYJ681 ERJ6GEYJ103 ERJ6GEYJ222	S.M.CARB 0.1W S.M.CARB 0.1W	5% 100Ω 5% 1KΩ 5% 1K5Ω 5% 470Ω 5% 820Ω 5% 470Ω 5% 470Ω 5% 470Ω 5% 3K3Ω 5% 680Ω 5% 10KΩ 5% 2K2Ω
R145 R146 R147 R149 R201 R204 R205 R206 R207 R208 R209	ERJ6GEYJ102 ERJ6GEYJ152 ERJ6GEYJ471 ERJ6GEYJ181 ERJ6GEYJ181 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ332 ERJ6GEYJ681 ERJ6GEYJ103 ERJ6GEYJ222 ERJ6GEYJ332	S.M.CARB 0.1W S.M.CARB 0.1W	5% 100Ω 5% 1KΩ 5% 1K5Ω 5% 470Ω 5% 820Ω 5% 470Ω 5% 470Ω 5% 470Ω 5% 3K3Ω 5% 680Ω 5% 10KΩ 5% 2K2Ω 5% 3K3Ω
R145 R146 R147 R149 R201 R204 R205 R206 R207 R208 R209 R210	ERJ6GEYJ102 ERJ6GEYJ152 ERJ6GEYJ471 ERJ6GEYJ181 ERJ6GEYJ181 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ332 ERJ6GEYJ681 ERJ6GEYJ103 ERJ6GEYJ222 ERJ6GEYJ332 ERJ6GEYJ332	S.M.CARB 0.1W S.M.CARB 0.1W	5% 100Ω 5% 1KΩ 5% 1K5Ω 5% 470Ω 5% 820Ω 5% 470Ω 5% 470Ω 5% 3K3Ω 5% 680Ω 5% 10KΩ 5% 2K2Ω 5% 3K3Ω 5% 3K3Ω 5% 3K3Ω 5% 470Ω
R145 R146 R147 R149 R201 R204 R205 R206 R207 R208 R209 R210 R253	ERJ6GEYJ102 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ481 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ332 ERJ6GEYJ103 ERJ6GEYJ103 ERJ6GEYJ222 ERJ6GEYJ332 ERJ6GEYJ471 ERJ6GEYJ103	S.M.CARB 0.1W S.M.CARB 0.1W	5% 100Ω 5% 1KΩ 5% 1K5Ω 5% 470Ω 5% 820Ω 5% 180Ω 5% 470Ω 5% 3K3Ω 5% 680Ω 5% 10KΩ 5% 2K2Ω 5% 3K3Ω 5% 3K3Ω 5% 10KΩ 5% 10KΩ
R145 R146 R147 R149 R201 R204 R205 R206 R207 R208 R209 R210	ERJ6GEYJ102 ERJ6GEYJ152 ERJ6GEYJ471 ERJ6GEYJ181 ERJ6GEYJ181 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ332 ERJ6GEYJ681 ERJ6GEYJ103 ERJ6GEYJ222 ERJ6GEYJ332 ERJ6GEYJ332	S.M.CARB 0.1W S.M.CARB 0.1W	5% 100Ω 5% 1KΩ 5% 1K5Ω 5% 470Ω 5% 820Ω 5% 470Ω 5% 470Ω 5% 3K3Ω 5% 680Ω 5% 10KΩ 5% 2K2Ω 5% 3K3Ω 5% 3K3Ω 5% 3K3Ω 5% 470Ω
R145 R146 R147 R149 R201 R204 R205 R206 R207 R208 R209 R210 R253	ERJ6GEYJ102 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ481 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ332 ERJ6GEYJ103 ERJ6GEYJ103 ERJ6GEYJ222 ERJ6GEYJ332 ERJ6GEYJ471 ERJ6GEYJ103	S.M.CARB 0.1W S.M.CARB 0.1W	5% 100Ω 5% 1KΩ 5% 1K5Ω 5% 470Ω 5% 820Ω 5% 180Ω 5% 470Ω 5% 3K3Ω 5% 680Ω 5% 10KΩ 5% 2K2Ω 5% 3K3Ω 5% 3K3Ω 5% 10KΩ 5% 10KΩ
R145 R146 R147 R149 R201 R204 R205 R206 R207 R208 R209 R210 R253 R255	ERJ6GEYJ102 ERJ6GEYJ152 ERJ6GEYJ471 ERJ6GEYJ821 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ332 ERJ6GEYJ103 ERJ6GEYJ103 ERJ6GEYJ222 ERJ6GEYJ332 ERJ6GEYJ103 ERJ6GEYJ103 ERJ6GEYJ103	S.M.CARB 0.1W	5% 100Ω 5% 1KΩ 5% 1K5Ω 5% 470Ω 5% 820Ω 5% 470Ω 5% 470Ω 5% 3K3Ω 5% 680Ω 5% 10KΩ 5% 2K2Ω 5% 3K3Ω 5% 470Ω 5% 10KΩ 5% 10KΩ 5% 10KΩ
R145 R146 R147 R149 R201 R204 R205 R206 R207 R208 R209 R210 R253 R255 R256 R260	ERJ6GEYJ102 ERJ6GEYJ152 ERJ6GEYJ471 ERJ6GEYJ821 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ332 ERJ6GEYJ103 ERJ6GEYJ222 ERJ6GEYJ332 ERJ6GEYJ332 ERJ6GEYJ471 ERJ6GEYJ103 ERJ6GEYJ103 ERJ6GEYJ103 ERJ6GEYJ103	S.M.CARB 0.1W	5% 100Ω 5% 1KΩ 5% 1K5Ω 5% 470Ω 5% 820Ω 5% 470Ω 5% 470Ω 5% 3K3Ω 5% 680Ω 5% 10KΩ 5% 2K2Ω 5% 3K3Ω 5% 470Ω 5% 10KΩ 5% 10KΩ 5% 10KΩ 5% 10KΩ
R145 R146 R147 R149 R201 R204 R205 R206 R207 R208 R209 R210 R253 R255 R256 R260 R261	ERJ6GEYJ102 ERJ6GEYJ152 ERJ6GEYJ471 ERJ6GEYJ4821 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ332 ERJ6GEYJ103 ERJ6GEYJ222 ERJ6GEYJ332 ERJ6GEYJ471 ERJ6GEYJ103 ERJ6GEYJ103 ERJ6GEYJ103 ERJ6GEYJ471	S.M.CARB 0.1W	5% 100Ω 5% 1KΩ 5% 1K5Ω 5% 470Ω 5% 820Ω 5% 180Ω 5% 470Ω 5% 3K3Ω 5% 680Ω 5% 10KΩ 5% 3K3Ω 5% 470Ω 5% 10KΩ 5% 10KΩ 5% 10KΩ 5% 470Ω 5% 10KΩ 5% 470Ω 5% 470Ω 5% 470Ω 5% 470Ω 5% 470Ω 5% 470Ω
R145 R146 R147 R149 R201 R204 R205 R206 R207 R208 R209 R210 R253 R255 R256 R260 R261 R261	ERJ6GEYJ102 ERJ6GEYJ152 ERJ6GEYJ471 ERJ6GEYJ481 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ332 ERJ6GEYJ681 ERJ6GEYJ103 ERJ6GEYJ222 ERJ6GEYJ332 ERJ6GEYJ103 ERJ6GEYJ471 ERJ6GEYJ103 ERJ6GEYJ103 ERJ6GEYJ103 ERJ6GEYJ103 ERJ6GEYJ103 ERJ6GEYJ103 ERJ6GEYJ103	S.M.CARB 0.1W	5% 100Ω 5% 1KΩ 5% 1K5Ω 5% 470Ω 5% 820Ω 5% 180Ω 5% 470Ω 5% 3K3Ω 5% 680Ω 5% 10KΩ 5% 3K3Ω 5% 10KΩ 5% 10KΩ 5% 10KΩ 5% 470Ω 5% 10KΩ 5% 470Ω 5% 10KΩ 5% 470Ω 5% 10KΩ 5% 470Ω 5% 10KΩ 5% 10KΩ
R145 R146 R147 R149 R201 R204 R205 R206 R207 R208 R209 R210 R253 R255 R256 R260 R261 R262 R263	ERJ6GEYJ102 ERJ6GEYJ152 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ332 ERJ6GEYJ681 ERJ6GEYJ103 ERJ6GEYJ222 ERJ6GEYJ103	S.M.CARB 0.1W	5% 100Ω 5% 1KΩ 5% 1K5Ω 5% 470Ω 5% 820Ω 5% 180Ω 5% 470Ω 5% 3K3Ω 5% 680Ω 5% 10KΩ 5% 3K3Ω 5% 10KΩ 5% 10KΩ 5% 10KΩ 5% 10KΩ 5% 470Ω 5% 10KΩ 5% 470Ω 5% 10KΩ 5% 470Ω 5% 10KΩ 5% 470Ω 5% 10KΩ 5% 10KΩ 5% 10KΩ 5% 10KΩ
R145 R146 R147 R149 R201 R204 R205 R206 R207 R208 R209 R210 R253 R255 R256 R260 R261 R262 R263 R264	ERJ6GEYJ102 ERJ6GEYJ152 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ332 ERJ6GEYJ681 ERJ6GEYJ103	S.M.CARB 0.1W	5% 100Ω 5% 1KΩ 5% 1K5Ω 5% 470Ω 5% 820Ω 5% 180Ω 5% 470Ω 5% 3K3Ω 5% 680Ω 5% 10KΩ 5% 3K3Ω 5% 470Ω 5% 10KΩ 5% 10KΩ 5% 10KΩ 5% 10KΩ 5% 470Ω 5% 10KΩ 5% 470Ω 5% 10KΩ 5% 470Ω 5% 10KΩ 5% 470Ω 5% 10KΩ 5% 470Ω 5% 470Ω
R145 R146 R147 R149 R201 R204 R205 R206 R207 R208 R209 R210 R253 R255 R256 R260 R261 R262 R263	ERJ6GEYJ102 ERJ6GEYJ152 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ471 ERJ6GEYJ332 ERJ6GEYJ681 ERJ6GEYJ103 ERJ6GEYJ222 ERJ6GEYJ103	S.M.CARB 0.1W	5% 100Ω 5% 1KΩ 5% 1K5Ω 5% 470Ω 5% 820Ω 5% 180Ω 5% 470Ω 5% 3K3Ω 5% 680Ω 5% 10KΩ 5% 3K3Ω 5% 10KΩ 5% 10KΩ 5% 10KΩ 5% 10KΩ 5% 470Ω 5% 10KΩ 5% 470Ω 5% 10KΩ 5% 470Ω 5% 10KΩ 5% 470Ω 5% 10KΩ 5% 10KΩ 5% 10KΩ 5% 10KΩ

Ref No.

Part No.

Description

	MD1E		
Ref No.	Part No.	Description	
R266	ERD25TJ2R2	CARBON 0.25W	5% $2R2\Omega$
R267	ERF7ZK4R7	WOUND 7W	10% 4R7Ω 🗘
R268	ERJ6GEYJ103	S.M.CARB 0.1W	5% 10 K Ω
R269	ERJ6GEYJ273	S.M.CARB 0.1W	5% 27KΩ
R271	ERJ6GEYJ103	S.M.CARB 0.1W	5% 10KΩ
R272	ERF7ZK5R6	WOUND 7W	10% 5R6Ω Δ
R273	ERD25TJ273	CARBON 0.25W	5% 27 K Ω
R301	ERJ6GEYJ750	S.M.CARB 0.1W	5% 75Ω
R302	ERJ6GEYJ391	S.M.CARB 0.1W	5% 390Ω
R303	ERJ6GEYJ471	S.M.CARB 0.1W	5% 470Ω
R304	ERJ6GEYJ471	S.M.CARB 0.1W	5% 470Ω
R305	ERJ6GEYJ750	S.M.CARB 0.1W	5% 75Ω
R306	ERJ6GEYJ391	S.M.CARB 0.1W	5% 390Ω
R307	ERJ6GEYJ471	S.M.CARB 0.1W	5% 470Ω
R308	ERJ6GEYJ471	S.M.CARB 0.1W	5% 470Ω
R309	ERJ6GEYJ750	S.M.CARB 0.1W	5% 75Ω
R310	ERJ6GEYJ391	S.M.CARB 0.1W	5% 390Ω
R311	ERJ6GEYJ471	S.M.CARB 0.1W	5% 470Ω
R312	ERJ6GEYJ471	S.M.CARB 0.1W	5% 470Ω
R313	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω
R314	ERJ6GEYJ332	S.M.CARB 0.1W	5% 3K3Ω
R315	ERJ6GEYJ332	S.M.CARB 0.1W	5% 3K3Ω
R316	ERJ6GEYJ332	S M CARB 0.1W	5% 3K3Ω
R321	ERJ6GEYJ473	S.M.CARB 0.1W	5% 47KΩ
R322	ERJ6GEYJ473	S M CARB 0.1W	5% 47KΩ
R323	ERJ6GEYJ103	S.M.CARB 0.1W	5% 10KΩ
R324	ERJ6GEYJ104	S.M.CARB 0.1W	5% 100KΩ 5% 1KΩ
R354 R355	ERJ6GEYJ102 ERJ6GEYJ102	S.M.CARB 0.1W S.M.CARB 0.1W	5% 1KΩ 5% 1KΩ
R356	ERJ6GEYJ102 ERJ6GEYJ102	S M CARB 0.1W	5% 1KΩ
R366	ERDS1TJ152	CARBON 0.5W	5% 1K5Ω
R367	ERDS1TJ152 ERDS1TJ152	CARBON 0.5W	5% 1K5Ω
R368	ERDS1TJ152 ERDS1TJ152	CARBON 0.5W	5% 1K5Ω
R372	ERQ12AJ121	FUSABLE 12W	5% 120Ω Δ
R373	ERJ6GEYJ220	S.M.CARB 0.1W	5% 120Ω Δ
R375	ERJ6GEYJ684	S M CARB 0.1W	5% 22Ω 5% 680KΩ
R376	ERJ6GEYJ183	S M CARB 0.1W	5% 18KΩ
R451	ERJ6GEYJ223	S.M.CARB 0.1W	5% 10KΩ 5% 22KΩ
R452	ERJ6GEYJ472	S M CARB 0 1W	5% 22NΩ 5% 4K7Ω
R453	ERJ6GEYJ104	S M CARB 01W	5% 100KΩ
R455	ERJ6GEYJ472	S M CARB 01W	5% 4K7Ω
R456	ERJ6GEYJ103	S M CARB 01W	5% 10KΩ
R457	ERJ6GEYJ682	S M CARB 01W	5% 6K8Ω
R458	ERD25TJ1R5	CARBON 0.25W	5% 1R5Ω
R459	ERJ6GEYJ470	S M CARB 01W	5% 47Ω
R460	ERJ6GEYJ183	S M CARB 01W	5% 18KΩ
R461	ERDS1TJ471	CARBON 0.5W	5% 470Ω
R462	ERJ6GEYJ472	S.M.CARB 0.1W	5% 4K7Ω
R463	ERJ6GEYJ472	S.M.CARB 0.1W	5% 4K7Ω
R465	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω
R466	ERO25CKF1801		1% 1K8Ω Δ
R472	ERDS1TJ4R7	CARBON 0.5W	5% 4R7Ω
R501	ERJ6GEYJ331	S.M.CARB 0.1W	5% 330Ω
R502	ERJ6GEYJ560	S.M.CARB 0.1W	5% 56Ω
R503	ERJ6GEYJ273	S.M.CARB 0.1W	5% 27KΩ
R504	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω
R506	ERD25TJ560	CARBON 0.25W	5% 56Ω
R507	ERQ14AJ3R3	METAL 0.25W	5% 3R3Ω Δ
R509	ERDS1TJ152	CARBON 0.5W	5% 1 K5Ω
R510	ERDS1TJ152	CARBON 0.5W	5% 1K5Ω
R511	ERJ6GEYJ104	S.M.CARB 0.1W	$5\%100$ K Ω
R512	ERJ6GEYJ472	S M CARB 01W	5% 4K7 Ω
R513	ERJ6GEYJ123	S M CARB 01W	5% 12KΩ
R514	ERJ6GEYJ123	S.M.CARB 0.1W	5% 12KΩ
R551	ERW2PKR47	WIREWOUND2W	10%0R47Ω 🗘
R553	ERG1SJ152	METAL 1W	5% 1.5KΩ Δ
R558	ERDS1TJ124	CARBON 0.5W	5% 120ΚΩ
R561	ERJ6GEYJ563	S M CARB 01W	5% 56K Ω
R567	ERJ6GEYJ274		$5\%270$ K Ω
R601	ERJ6GEYJ151	S.M.CARB 0.1W	5% 150Ω

Ref No.	Part No.	Description	
R602	ERJ6GEYJ151	S.M.CARB 0.1W	5% 150Ω
R603	ERJ6GEYJ750	S.M.CARB 0.1W	5% 75Ω
R605	ERJ6GEYJ183	S.M.CARB 0.1W	5% 18KΩ
R606	ERJ6GEYJ472	S.M.CARB 0.1W	5% 4K7Ω
R607	ERJ6GEYJ103	S M CARB 0.1W	5% 10KΩ
R608	ERJ6GEYJ101	S M CARB 01W	5% 100Ω
R609	ERJ6GEYJ101	S M CARB 0.1W	5% 100Ω
R610	ERJ6GEYJ473	S.M.CARB 0.1W	5% 47KΩ
R611	ERJ6GEYJ102	S.M.CARB 0.1W	5% 1KΩ
R612	ERJ6GEYJ123	S M CARB 01W	5% 12KΩ
R613	ERJ6GEYJ271	S.M.CARB 0.1W	5% 270Ω
R614	ERJ6GEYJ470	S M CARB 01W	5% 47Ω
R615	ERJ6GEYJ333	S.M.CARB 0.1W	5% 33 K Ω
R616	ERJ6GEYJ153	S.M.CARB 0.1W	5% 15KΩ
R618	ERJ6GEYJ151	S.M.CARB 0.1W	5% 150Ω
R619	ERJ6GEYJ472	S.M.CARB 0.1W	5% 4K7Ω
R623	ERJ6GEYJ821	S M CARB 01W	5% 820Ω
R701	ERQ12AJ101	FUSIBLE 0.5W	5% 100Ω Δ
R703	ERG2FJ821	METAL 2W	5% 820Ω Δ
R704	ERJ6GEYJ563	S.M.CARB 0.1W	5% 56KΩ
R705	ERJ6GEYJ104	S.M.CARB 0.1W	$5\%100$ K Ω
R708	ERJ6GEYJ393	S.M.CARB 0.1W	5% 39 K Ω
R709	ERJ6GEYJ393	S.M.CARB 0.1W	5% 39KΩ
R710	ERJ6GEYJ273	S.M.CARB 0.1W	5% 27KΩ
R711	ERJ6GEYJ681	S.M.CARB 0.1W	5% 680Ω
R712	ERJ6GEYJ472	S M CARB 01W	5% 4K7Ω
R713	ERG1SJ101	METAL 1W	5% 100Ω
R801	ERG3FJ682H	METAL 3W	5% 6K8Ω Δ
R802	ERG2FJ472	METAL 2W	5%4.7KΩ Δ
R803	ERX12SJWR47	METAL 12W	1% R47Ω
R804	ERJ6GEYJ682	S.M.CARB 0.1W	5% 6K8Ω
R805	ERJ6GEYJ221	S.M.CARB 0.1W	5% 220Ω
R806	ERG1SJ823	METAL 1W	5% 82KΩ Δ
R807	ERO25CKF1201	METAL 0,25W	1% 1K2Ω 🗘
R810	ERD25TJ103	CARBON 0.25W	5% 10 K Ω
R811	EVMEASA00B33	CONTROL	82KΩ
R812	ERDS1TJ220	CARBON 0.5W	5% 22Ω
R813	ERD50FJ334	CARBON 0.5W	$5\%330$ K Ω
R814	ERF7ZK2R7	WIRE 7W	10% 2R7Ω
R817	ERG3FJ470	METAL 3W	5% 47Ω Δ
R818	ERD50FJ564	CARBON 0.5W	5%560KΩ
R819	ERD50FJ564	CARBON 0.5W	5%560KΩ
	ERD75TAJ825		5% 8M2Ω Δ
R820			
R852	ERJ6GEYJ271	S.M.CARB 0.1W	5% 270Ω
R853	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω
R854	ERDS1TJ474	CARBON 0.5W	5%470KΩ
R855	ERG2FJ223	METAL 2W	5% 22KΩ 🗘
R856	ERJ6GEYJ102	S.M.CARB 0.1W	5% 1KΩ
R1201	ERJ6GEYJ271	S.M.CARB 0.1W	5% 270Ω
R1202	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω
R1203	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω
R1204	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω
R1205	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω
R1206	ERJ6GEYJ101	S M CARB 01W	5% 100Ω
R1207	ERD25TJ331	CARBON 0.25W	5% 330Ω
R1208	ERJ6GEYJ223	S M CARB 0 1W	5% 22KΩ
R1209	ERJ6GEYJ472	S.M.CARB 0.1W	5% 22KΩ2 5% 4K7Ω
R1210	ERJ6GEYJ472	S.M.CARB 0.1W	5% 4K7Ω
	ERJ6GEYJ103		5% 4K/Ω 5% 10KΩ
R1212			
R1213	ERJ6GEYJ103	S.M.CARB 0.1W	5% 10KΩ
R1214	ERJ6GEYJ472	S.M.CARB 0.1W	5% 4K7Ω
R1215	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω
R1216	ERJ6GEYJ101	S M CARB 0 1W	5% 100Ω
R1217	ERJ6GEYJ101	S M CARB 0.1W	5% 100Ω
R1218	ERJ6GEYJ472	S M CARB 0.1W	5% 4K7Ω
R1219	ERJ6GEYJ472	S M CARB 0.1W	5% 4K7Ω
R1220	ERJ6GEYJ472	S M CARB 0.1W	5% 4K7Ω
R1221	ERJ6GEYJ103	S.M.CARB 0.1W	5% 10KΩ
R1222	ERJ6GEYJ103	S.M.CARB 0.1W	5% 10KΩ

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Ref No.	Part No.	Desc	ription		
R1224	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10 K Ω	
R1225	ERJ6GEYJ472	S.M.CARB	0.1W	5% 4K7 Ω	
R1226	ERJ6GEYJ472	S.M.CARB	0.1W	5% 4K7Ω	
R1227	ERJ6GEYJ472	S M CARB	0.1W	5% 4K7Ω	
				J/0 4K/12	
R1229	ERJ6GEY0R00	WIRE LINK			
R1230	ERJ6GEY0R00	WIRE LINK			
R1231	ERJ6GEYJ472	S.M.CARB	0.1W	5% 4K7 Ω	
R1232	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10 K Ω	
R1233	ERJ6GEYJ472	S.M.CARB	0.1W	5% 4K7Ω	
R1235	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ	
R1236	ERJ6GEYJ472	S M CARB	0.1W	5% 4K7Ω	
R1237	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ	
R1238	ERJ6GEYJ393	S.M.CARB	0.1W	5% 39KΩ	
R1239	ERJ6GEYJ392	S.M.CARB	0.1W	5% 3K9 Ω	
R1240	ERJ6GEYJ392	S.M.CARB	0.1W	5% 3 K 9 Ω	
R1241	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω	
R1242	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω	
R1244				070 10032	
	ERJ6GEY0R00	WIRE LINK		==/ =1/==	
R1245	ERJ6GEYJ222	S.M.CARB	0.1W	5% 2K2Ω	
R1246	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10 K Ω	
R1247	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10 K Ω	
R1249	ERJ6GEYJ472	S.M.CARB	0.1W	5% 4K7Ω	
R1250	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ	
R1251	ERJ6GEYJ393	S M CARB	0.1W	5% 39KΩ	
R1252	ERX1SJ3R3	METAL	1W	5% 3R3Ω	
R1253	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ	
R1254	ERJ6GEYJ104	S.M.CARB	0.1W	5% 100ΚΩ	
R1255	ERJ6GEYJ104	S.M.CARB	0.1W	5% 100KΩ	
R1256	ERJ6GEYJ102	S.M.CARB	0.1W	5% 1K Ω	
R1257	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω	
R1258	ERJ6GEYJ472	S M CARB	0.1W	5% 4K7Ω	
R1260	ERDS1FJ121	CARBON	0.5W	5% 120Ω	
R2101	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω	
R2102	ERJ6GEYJ222	S.M.CARB	0.1W	5% 2K2Ω	
R2103	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω	
R2104	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω	
R2105	ERJ6GEYJ222	S.M.CARB	0.1W	5% 2K2Ω	
R2106	ERJ6GEYJ183	S M CARB	0.1W	5% 18KΩ	
R2107	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω	
R2108	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω	
R2109	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω	
R2110	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10 K Ω	
R2111	ERJ6GEYJ473	S.M.CARB	0.1W	5% 47KΩ	
R2301	ERJ6GEYJ222	S M CARB	0.1W	5% 2K2Ω	
		S M CARB			
R2302	ERJ6GEYJ222		0.1W	5% 2K2Ω	
R2303	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω	
R2304	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω	
R2313	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω	
R2314	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω	
R2315	ERJ6GEYJ473	S.M.CARB	0.1W	5% 47KΩ	
R2316	ERJ6GEYJ104	S M CARB	0.1W	5% 100KΩ	
R2318	ERJ6GEYJ104	S.M.CARB	0.1W	5% 100KΩ	
R2321	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ	
R2322	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω	
R2323	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10 K Ω	
R2324	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω	
R2325	ERJ6GEYJ273	S M CARB	0.1W	5% 27KΩ	
R2326	ERJ6GEYJ471	S M CARB	0.1W	5% 27NΩ 5% 470Ω	
R2327	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω	
R2328	ERJ6GEYJ473	S.M.CARB	0.1W	5% 47KΩ	
R2329	ERJ6GEYJ222	S.M.CARB	0.1W	5% 2K2Ω	
R2330	ERJ6GEYJ222	S.M.CARB	0.1W	5% 2K2Ω	
R2331	ERJ6GEYJ223	S.M.CARB	0.1W	5% 22KΩ	
R2332	ERJ6GEYJ471	S M CARB	0.1W	5% 470Ω	
R2333	ERJ6GEYJ471	S M CARB	0.1W	5% 470Ω	
R2334	ERJ6GEY0R00	WIRE LINK			
R2335	ERJ6GEY0R00	WIRE LINK			
R2651	ERG2FJ221	METAL	2W	5% 220Ω	Δ
	ERG2FJ221	METAL	2W	5% 220Ω	Δ
R2652			∠ ∀ ∀	0 /0 22002	
R2652		CADDON	O EW	E0/ 1E00	
R2652 R2653 R2654	ERDS1TJ151 ERDS1TJ151	CARBON CARBON	0.5W 0.5W	5% 150Ω 5% 150Ω	

Ref No.	Part No.	Description	
R3001	ERJ6GEYJ153	S.M.CARB 0.1W	5% 15 K Ω
R3002	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω
R3003	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω
R3004	ERJ6GEYJ153	S M CARB 0.1W	5% 15KΩ
R3005	ERJ6GEYJ470	S.M.CARB 0.1W	5% 47Ω
R3006	ERJ6GEYJ470	S.M.CARB 0.1W	5% 47Ω
R3007	ERJ6GEYJ750	S.M.CARB 0.1W	5% 75Ω
R3007			5% 75\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	ERJ6GEYJ104		
R3009	ERJ6GEYJ104	S.M.CARB 0.1W	5%100KΩ
R3010	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω
R3011	ERJ6GEYJ101	S M CARB 0.1W	5% 100Ω
R3012	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω
R3013	ERJ6GEYJ101	S M CARB 0.1W	5% 100Ω
R3015	ERJ6GEY0R00	WIRE LINK	
R3016	ERJ6GEYJ103	S.M.CARB 0.1W	5% 10 K Ω
R3017	ERJ6GEYJ102	S.M.CARB 0.1W	5% 1 K Ω
R3019	ERJ6GEYJ471	S M CARB 0.1W	5% 470Ω
R3020	ERJ6GEYJ103	S.M.CARB 0.1W	5% 10 K Ω
R3022	ERD2FCG560	CARBON 2W	2% 56Ω
R3024	ERJ6GEYJ471	S.M.CARB 0.1W	5% 470Ω
R3025	ERJ6GEYJ103	S.M.CARB 0.1W	5% 10KΩ
R3026	ERJ6GEYJ471	S M CARB 0.1W	5% 470Ω
R3027	ERJ6GEYJ680	S.M.CARB 0.1W	5% 476Ω 5% 68Ω
R3027	ERJ6GEYJ680	S.M.CARB 0.1W	5% 68Ω
R3029	ERJ6GEYJ103		5% 06Ω 5% 10KΩ
R3030			
	ERJ6GEYJ680		
R3034	ERJ6GEYJ103	S.M.CARB 0.1W	5% 10KΩ
R3036	ERJ6GEYJ220	S.M.CARB 0.1W	5% 22Ω
R3037	ERJ6GEYJ750	S.M.CARB 0.1W	5% 75Ω
R3038	ERD2FCG100	CARB 2W	2% 10Ω
R3039	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω
R3040	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω
R3041	ERJ6GEYJ153	S.M.CARB 0.1W	5% 15 K Ω
R3042	ERJ6GEYJ682	S M CARB 0.1W	5% 6K8Ω
R3043	ERD2FCG100	CARB 2W	2% 10Ω
R3044	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω
R3045	ERJ6GEYJ471	S.M.CARB 0.1W	5% 470 $Ω$
R3046	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω
R3047	ERJ6GEYJ680	S.M.CARB 0.1W	5% 68Ω
R3048	ERJ6GEYJ102	S M CARB 0.1W	5% 1KΩ
R3049	ERJ6GEYJ680	S.M.CARB 0.1W	5% 68Ω
R3050	ERJ6GEYJ101	S M CARB 0.1W	5% 100Ω
R3051	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω
R3052	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω 5% 100Ω
R3053	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω 5% 100Ω
R3054	ERJ6GEYJ101	S M CARB 0.1W	5% 100Ω
R3055	ERJ6GEYJ101	S M CARB 0.1W	5% 100Ω
R3056	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω
R3057	ERJ6GEYJ101	S M CARB 0.1W	5% 100Ω
R3058	ERJ6GEYJ153	S M CARB 0.1W	5% 15KΩ
R3059	ERJ6GEYJ153	S.M.CARB 0.1W	5% 15KΩ
R3060	ERJ6GEYJ470	S M CARB 0.1W	5% 47Ω
R3062	ERJ6GEYJ750	S.M.CARB 0.1W	5% 75Ω
R3063	ERJ6GEYJ750	S.M.CARB 0.1W	5% 75Ω
R3064	ERJ6GEYJ103	S M.CARB 0.1W	5% 10 K Ω
R3065	ERJ6GEYJ104	S.M.CARB 0.1W	$5\%100$ K Ω
R3066	ERJ6GEYJ104	S.M.CARB 0.1W	$5\%100$ K Ω
R3067	ERJ6GEYJ273	S M CARB 0.1W	5% 27 K Ω
R3068	ERJ6GEYJ103	S M CARB 0.1W	5% 10 K Ω
R3069	ERJ6GEYJ103	S.M.CARB 0.1W	5% 10KΩ
R3070	ERJ6GEYJ750	S.M.CARB 0.1W	5% 75Ω
R3071	ERJ6GEYJ470	S.M.CARB 0.1W	5% 47Ω
R3150	ERJ6GEYJ750	S M CARB 0.1W	5% 75Ω
R3151	ERJ6GEYJ750	S M CARB 0.1W	5% 75Ω
R3152	ERJ6GEYJ750	S.M.CARB 0.1W	5% 75Ω
R3153	ERJ6GEYJ750	S.M.CARB 0.1W	$5\% 75\Omega$
R3154	ERJ6GEYJ153	S.M.CARB 0.1W	5% 75Ω 5% 15KΩ
R3154	ERJ6GEYJ101		5% 15KΩ 5% 100Ω
R3156	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω
R3157	ERJ6GEYJ153	S M CARB 0.1W	5% 15KΩ
R3158	ERJ6GEYJ750	S.M.CARB 0.1W	5% 75Ω

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	Ref No.	Part No.	Description	
	R3502	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω	
	R3504	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω	
	R3505	ERJ6GEY0R00	WIRE LINK	
	R3508	ERJ6GEYJ183	S.M.CARB 0.1W 5% 18KΩ	
	R3511	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ	
	R3512	ERJ6GEYJ472	S.M.CARB 0.1W 5% $4K7\Omega$	
	SWITC	CHES		
	S801	ESB91232A	SWITCH	Δ
	S1201	EVQ23405R	SWITCH	
	S1202	EVQ23405R	SWITCH	
	S1203	EVQ23405R	SWITCH	
	S1204	EVQ23405R	SWITCH	
	S1205	EVQ23405R	SWITCH	

Ref No.	Part No.	Description	
TRAN	SFORMERS		
T501	5270103200	TRANSFORMER	
T1201	ETP35KAN61ZU	TRANSFORMER	
FILTE	RS		
X101	EFCS5M7MW3	CERAMICFILTER	
X103	G3355K	SAW FILTER	
X105	EFCV3095A6	CHIP FILTER	
X601	TSS2169-B	CRYSTAL	
X1201	TSS120M2	CRYSTAL	
X2101	TSS4004-B	CRYSTAL	

DIFFERENCES FOR MODEL TX-21MD1E

Ref No.	Part No.	Des	cription		
MISC	ELLANEOUS C	OMPON	ENTS		
2)	TKY8E040	CABINET			Δ
3)	A59ECF20X12	C.R.T.			Δ
5)	TNP117070AA	Y P.C.B.			Δ
7)	TKU8E00190	REAR CO	VER		Δ
9)	TNP197091AS	E P.C.B.			Δ
16)	TLK8E05115	DEGAUSS	ING CC) L	
'	TPC8E4511	OUTER CA	ARTON		
	SVM100	COIL			
	TBM8E1478	REAR CO	/ER LAE	BEL	
САРА	CITORS				
C254	ECQM1H334J	FILM	50V	330nF	
C259	ECQM1H334J	FILM	50V		
C262	ECEA1 HN2R2	ELECT	50V	2.2μF	
C265	ECEA1 HN2R2	ELECT	50V	2.2μF	
C358		FILM	50V		
C364	ECUV1H103ZFX		50V	10nF	
C366	ECEA1CM100GB		16V	10pF	
C455		ELECT		2200μF	
C457	ECUV1H223KBX		50V		
C459		FILM	50V		
C461	ECQM1H684J ECWH15H472J	FILM FILM	50V		
C551 C552	ECWH15H4723		1500V 1500V	4.7nF 1.0nF	
C554	ECWF2H514J	FILM	500V		Δ
C554	ECWF2H314J ECQM4333JC	FILM	400V		212
C559		FILM	500V		Λ
C560	ECEA2GGE2R2		400V	2R2μF	45
C701	ECEA1HGE101	ELECT	50V	100μF	
C703	ECEA1HGE100	ELECT	50V	10μF	
C705	ECQB1H102J	FILM	50V	1nF	
C820	ECOS2GG181NG	ELECT	400V	180μF	Λ
C857	ECEA2EU101	ELECT	250V	100μF	
C861	ECOS2EA221AB	ELECT	400V	220µF	
C901	ECUV1H030CCX	S.M.CAP	50V	30pF	
C902	ECEA1VU101	ELECT	35V	100μF	
C903	ECEA1CM470GB		16V	47pF	
C904	ECUV1H103ZFX	S.M.CAP	50V	10n F	
C905	ECEA1HM4R7GB		50V	4R7μF	
C906	ECUV1H471KBX		50V	470pF	
C907	ECUV1H271JCX		50V	270pF	
C908	ECUV1H151JCX		50V	150pF	
C909	ECKC2H472J	CERAMIC	500V	4.7nF	∆ .
C910	ECKC2H472J	CERAMIC	500V	4.7nF	1
C911	ECUV1H151JCX	S.M.CAP	50V	150pF	

Ref No.	Part No.	Desc	ription		
C912 C913 C914 C915 C916	ECEA2CU100 ECEA1CM101GE ECEA1CM101GE ECDA1CM471GE ECEA2CU100	BELECT	160V 16V 16V 16V 160V	10μF 100pF 100pF 470pF 10μF	
DIODE	S				
D901 D902	MA165TA5 MA165TA5	DIODE DIODE			
INTEG	RATED CIRCU	JITS			
IC1203	X24C16P-MD1E	EAROM			
TERMI	NALS AND LI	NKS			
JA1	ERJ6GEY0R00	WIRE LINK			
COILS					
L352 L353 L354 L552 L553 L554 L901	SDL-4101 SDL-4101 SDL-4101 ELH5L421 ELC08D055 297-23293 EXCELSA24T EXCELSA24T	COIL COIL COIL COIL COIL COIL COIL COIL			
TRANS	SISTORS				
Q551 Q901 Q902 Q903 Q904 Q905 Q906 Q907 Q908 Q909	2SD1577LB BC847B BC847B BC847B BC857B BC847B BC847B BC857B 2SA1535ARLB 2SC3944ARLB	TRANSISTO	OR		
RESIS	TOR				
R251 R252 R254 R257	ERJ6GEYJ820 ERJ6GEYJ122 ERJ6GEYJ820 ERJ6GEYJ100	S.M.CARB S.M.CARB S.M.CARB S.M.CARB	0.1W 0.1W 0.1W 0.1W	5% 5% 5% 5%	82Ω 1Κ2Ω 82Ω 10Ω

Ref No.	Part No.	Description		
R258	ERJ6GEYJ122	S.M.CARB 0.1W	5% 1K2Ω	
R259	ERJ6GEYJ100	S M CARB 01W	5% 10Ω	
R351	ERJ6GEYJ102	S M CARB 01W	5% 1KΩ	
R352	ERJ6GEYJ102	S M CARB 01W	5% 1KΩ	
R353	ERJ6GEYJ102	S.M.CARB 0.1W	5% 1KΩ	
R357	ERG1SJ683	METAL 1W	5% 68K Ω	Δ
R358	ERG1SJ683	METAL 1W	$5\%~68$ K Ω	Δ
R359	ERG1SJ683	METAL 1W	$5\%~68$ K Ω	Δ
R363	ERD25TJ103	CARBON 0.25W	5% 10KΩ	
R364	ERD25TJ103	CARBON 0.25W	5% 10KΩ	
R365	ERD25TJ103	CARBON 0.25W	5% 10KΩ	
R369	ERD25TJ203	CARBON 0.25W	5% 20KΩ	
R370	ERJ6GEYJ822	S.M.CARB 0.1W	5% 8K2Ω	
R374	ERD25TJ274	CARBON 0.25W	5% 270KΩ	
R377	ERQ12HKR82	FUSABLE 12W	10% R82 Ω	Δ
R381	ERJ6GEYJ102	S.M.CARB 0.1W	5% 1KΩ	
R382	ERJ6GEYJ102	S.M.CARB 0.1W	5% 1KΩ	
R383	ERJ6GEYJ102	S M CARB 0.1W	5% 1KΩ	
R464	ERW12PKR68	WIRE 12W	10% R68Ω	
R467	ERO25CKF1801	METAL 0.25W	1% 1K8Ω	Δ
R471	ERDS1TJ152	CARBON 0.5W	5% 1K5Ω	
R554	ERQ14AJW101	FUSABLE 14W	X% 100Ω	Δ
R562	ERJ6GEYJ155	SM CARBO 125W	$5\%~1~5 M\Omega$	
R563	ERJ6GEYJ155	SM CARBO 125W	$5\%~1~5 M\Omega$	
R564	ERJ6GEYJ393	S.M.CARB 0.1W	5% 39KΩ	
R566	ERJ6GEYJ273	S M CARB 01W	5% 27KΩ	
R702	ERQ12HJ220	METAL 0.5W	5% 22Ω	Δ
R706	ERJ6GEYJ242	S.M.CARB 0.1W	5% 2K4Ω	
R707	ERJ6GEYJ911	S M CARB 01W	5% 910Ω	
R808	232266296706	THERMISTOR		
R809	ERO25CKF1332	METAL 25W	1% 13KΩ	Δ
R901	ERJ6GEYJ562	S.M.CARB 0.1W	5% 5K6Ω	
R902	ERJ6GEYJ562	S.M.CARB 0.1W	5% 5K6Ω	
R903	ERJ6GEYJ562	S.M.CARB 0.1W	5% 5K6Ω	
R904	ERJ6GEYJ102	S.M.CARB 0.1W	5% 1KΩ	
R905	ERJ6GEYJ681	S.M.CARB 0.1W	5% 680Ω	

Ref No.	Part No.	Description		
R906	ERJ6GEYJ223	S.M.CARB 0.1W	5% 22KΩ	
R907	ERJ6GEYJ472	S M CARB 01W	5% $4K7\Omega$	
R908	ERJ6GEYJ471	S M CARB 01W	5% 470Ω	
R909	ERJ6GEYJ102	S M CARB 01W	5% 1KΩ	
R910	ERJ6GEYJ101	S M CARB 01W	5% 100Ω	
R911	ERJ6GEYJ152	S M CARB 01W	5% $1K5\Omega$	
R913	ERJ6GEYJ183	S M CARB 01W	5% 18 K Ω	
R914	ERJ6GEYJ222	S M CARB 01W	5% $2K2\Omega$	
R915	ERJ6GEYJ182	S M CARB 01W	5% 1K8Ω	
R916	ERJ6GEYJ221	S.M.CARB 0.1W	5% 220Ω	
R917	ERJ6GEYJ121	S.M.CARB 0.1W	5% 120Ω	
R919	ERQ14AJ390	FUSABLE 14W	5% 39Ω	Δ
R920	ERQ14AJ390	FUSABLE 14W	5% 39Ω	Δ
R921	ERD25TJ471	CARBON 0.25W	5% 470Ω	
R922	ERD25TJ393	CARBON 0.25W	5% 39 K Ω	
R923	ERD25TJ393	CARBON 0.25W	5% 39 K Ω	
R924	ERDS1FJ390	CARBON 0.5W	5% 39Ω	
R925	ERJ6GEY0R00	WIRE LINK		
R926	ERJ6GEY0R00	WIRE LINK		
R927	ERD25TJ471	CARBON 0.25W	5% 470Ω	
R928	ERD25TJ2R7	CARBON 0.25W	5% 2R7 Ω	
R929	ERDS1FJ471	CARBON 0.5W	5% 470Ω	
R930	ERD25TJ2R7	CARBON 0.25W	5% $2R7\Omega$	
R931	ERDS1FJ390	CARBON 0.5W	5% 39Ω	
R932	ERDS1FJ101	CARBON 0.5W	5% 100Ω	Δ
R933	ERJ6GEYJ103	S.M.CARB 0.1W	5% 10 K Ω	
R934	ERJ6GEYJ222	S.M.CARB 0.1W	5% $2K2\Omega$	
R935	ERQ14AJ3R9	FUSIBLE 0.25W	$5\%~3$ R 9Ω	Λ
R936	ERQ1CJP331	METAL 1W	5% 330Ω	Λ
R937	ERQ14AJ100	METAL 0.25W	5% 10Ω	Δ
TRAN	ISFORMERS			
T551	ZTFH65008A	TRANSFORMER		
T801	TLP8E1002	TRANSFORMER		

DIFFERENCES FOR MODEL TX-25MD1E

	ERENCES F			<u> 17-2</u>	שואוט	<u> </u>	
Ref No.	Part No.	Des	cription				
MISCELLANEOUS COMPONENTS							
	A51EAL55X01	C.R.T.				Δ	
	TBM8E1477-1	REAR COV	ER LA	3EL			
	TKU8E00180	REAR COV	'ER			1	
	TKY8E039	CABINET				Δ	
	TLK8E05117	DEGUASS	E COIL				
	TNP117069AA	Y P.C.B.				Δ	
	TNP197091AR	E P.C.B.				Δ	
	TPC8E4510	OUTER CA	RTON				
	X24C16P-F1E	EAROM					
CABA	CAPACITORS						
CAFA	CHORS						
C254	ECQM1H224J	FILM	50V	220nF			
C259	ECQM1H224J	FILM	50V	220nF			
C262	ECEA1HN010	ELECT	50V	1μF			
C265	ECEA1HN010	ELECT	50V	1μF			
C358	ECQB1H224J	FILM	50V	0.22μF			
C455	ECEA1VU222	ELECT	35V	2200μF			
C457	ECUV1H103KBX	S.M.CAP	50V	10nF			
C459	ECQM1H154J	FILM	50V	150nF			
C463	ECQB1H222J	FILM	50V	2200pF			
C551	ECWH12H272J	CERAMIC	500V	2.7nF	1		
C552	ECWH12H102J	FILM	1.0nF				
C556	ECQF4273JZH	FILM		0.027μF			
C559	ECWF2H474J	FILM	500V		1		
C701	ECEA1HU101		50V				
C703	ECEA1HU100	ELECT	50V	10μF			

C820 ECC C857 ECE	QB1H152K OS2GA151CB :A2CM101E :2CGE221	FILM ELECT ELECT ELECT	50V 400V 160V 160V	1.5nF 150pF 100pF 220μF		
C820 ECC C857 ECE C861 ECA	DS2GA151CB EA2CM101E A2CGE221	ELECT ELECT	400V 160V	150pF 100pF		
C857 ECE C861 ECA	A2CM101E A2CGE221	ELECT	160V	100pF		
C861 ECA	A2CGE221					
COILS		ELECT	160V	220μF		
	IFI 400					
L552 ELH	IEL 400					
	5L429	COIL				
TRANSIST	ORS					
Q551 BU2	506DXLB	TRANSISTO	R			
RESISTOR	2					
R251 ERJ	6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R252 ERJ	6GEYJ152	S.M.CARB	0.1W	5%	1K5Ω	
R254 ERJ	6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R257 ERJ	6GEYJ2R2	SM.CARBO.	125W	5%	$2R2\Omega$	
R258 ERJ	6GEYJ152	S.M.CARB	0.1W	5%	$1 \text{K} 5 \Omega$	
R259 ERJ	6GEYJ2R2	SM.CARBO.	125W	5%	$2\text{R}2\Omega$	
R351 ERJ	6GEYJ182	S.M.CARB	0.1W	5%	$1 \text{K8}\Omega$	
R352 ERJ	6GEYJ182	S.M.CARB	0.1W	5%	1K8Ω	
R353 ERJ	6GEYJ182	S.M.CARB	0.1W	5%	1K8Ω	
R357 ERG	i1SJ563	METAL	1W	5%	56K Ω	Δ
R358 ERG	1SJ563	METAL	1W	5%	56K Ω	Λ
R359 ERG	1SJ563	METAL	1W	5%	56K Ω	Δ
R363 ERD	S1TJ103	CARBON	0.5W	5%	$10 \mathrm{K}\Omega$	
R364 ERD	S1TJ103	CARBON	0.5W	5%	10K Ω	

Ref No.	Part No.	Description		
R365	ERDS1TJ103	CARBON 0.5W	5% 10KΩ	
R369	ERD25TJ223	CARBON 0.25W	5% 22KΩ	
R370	ERD25TJ103	CARBON 0.25W	5% 10KΩ	
R374	ERDS1TJ274	CARBON 0.5W	$5\%270$ K Ω	
R377	ERQ12HJ1R2	METAL 0.5W	5% $1R2\Omega$	Δ
R378	ERJ6GEY0R00	WIRE LINK		
R379	ERJ6GEY0R00	WIRE LINK		
R380	ERJ6GEY0R00	WIRE LINK		
R464	ERW12PK1R5	WIRE 12W	10% 1R5 Ω	
R467	ERO25CKF1201	METAL 0,25W	1% 1K2Ω	Δ
R471	ERDS1TJ102	CARBON 0.5W	5% 1K Ω	
R562	ERJ6GEYJ225	SM CARBO 125W	$5\%~2.2 M\Omega$	
R563	ERJ6GEYJ225	SM CARBO 125W	$5\%~2.2 M\Omega$	
R564	ERJ6GEYJ623	SM.CARB0.125W	5% 62KΩ	

Ref No.	Part No.	Description					
R566	ERJ6GEYJ473	S.M.CARB 0.1W	5% 47KΩ				
R702	ERQ12HJ330	METAL 0.5W	5% 33Ω	$\Delta\!$			
R706	ERJ6GEYJ272	S.M.CARB 0.1W	5% $2K7\Omega$				
R707	ERJ6GEYJ122	S.M.CARB 0.1W	5% 1 K 2Ω				
R808	232266296319	THERMISTOR					
R809	ERO25CKF1302	METAL 0.25W	1% 13K Ω	Δ			
TRANSFORMERS							
T551 T801	ZTFH44007A TLP8E1001	F.B.T TRANSFORMER		Δ			

